

Product datasheet for RR204402

Map1a (NM_030995) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Map1a (NM_030995) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Map1a
 Synonyms: Mtap1a
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR204402 representing NM_030995
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGGTGTGGCTGAGTTCTCCGAGTATGTCTCTGAGACTGTGGATGTGCCATCCCCCTTGACCTGC
 TTGAACCGCCACCTCAGGAGGCTTCTCAAGCTCTAAGCCTTGCTGCTACATCTTCTGCTGGCCG
 TGGGACTCTGCTCTTTGCTGTCAATGGCTTAAACATCTGGTGGATGGCGTTCCGATCGCAAGTCC
 TGCTTCTGGAAGCTGGTGCAGCCTGGACCGCATCGACTCCGTGCTGCTCACACACATTGGGGCTGACA
 ATCTGCCGGGCATCAACGGCCTCCTGCAGCGCAAGGTGGCAGAGCTAGAGGAGGAGCAGTCCCAGGGCTC
 CAGCAGCTACAGCGACTGGGTGAAGAACCTCATCTCCCCTGAGCTTGGAGTTGTGTTCTTCAACGTGCC
 GATAAGCTCCGGCTGCCGACGCTCCCGCAAGGCCAAGCGCAGCATTGAAGAGGCTGTCTCACTCTTC
 AGCACTTAAACCGCTAGGCATCCAAGCCGAGCCTCTGTATCGTGTAGTCAGCAACACCATCGAGCCACT
 GACCCTCTCCACAAAATGGGTGTGGGTAGGCTGGACATGTATGTCTCAACCCCGTCAAGGACAGTAAG
 GAGATGCAGTTCCCTCATGCAGAAGTGGCAGGCAATAGTAAAGCCAAGACAGGCATTGTACTGGCCAATG
 GGAAGGAGGCAGAGATCTGTCCCTACCTGACCTCCATCACTGCTCTGGTGGTATGGTCCCAGCCAA
 CCCTACTGAGAAGATTGTGCGTGTCTTTTCCCGGAAAATGCTCCCAGAACAAAGATCTTGAGGGCTTG
 GAAAAGCTTCGGCACCTGGACTTCTGCGCTACCTGTGGCAACGCAGAAGGACCTGGCTGCTGGGGCCG
 TGCCCGCAACTTGAAACCCAGCAAAATCAAACATCGGGCTGACAGCAAGGAGAGCCTCAAAGCTGCTCC
 CAAGACAGCAGTGAAGCTGGCCAAACGGGAGGAAAGTGTGGAAGAGGGGGCCAAAGGAGGCCCTCA
 GAGCTGGCCAAGGAGTTAGCCAAGACAGAAAAGAAAGCAAAGAACCCTGAGAAAGCCCCAGAAAAAC
 CCTCAAGTCCGAAAGGGTGAAGGGGCGAGTCCAGCGAAGCGCTGAAGGCCGAGAAACGGAGGCTGATCAA
 GGACAAGCCGGCAAGAAGCACCTGAAGGAAAAGATTTCAAAGCTAGAGGAGAAGAAGGACAAGGAGAAA
 AAGGAGATCAAGAAGGAAAGGAAGGAGTCAAGAAGGAGGAAGGAGAAAGGAAGAGAAAAGGATGCCA
 AAAAGGACGAAAAGAGGAAAGATACCAAACAGAGGTCAAGAACTCTCCAAGCCAGACCTGAAGCCTTT
 TACCCCTGAGGTCCGTAAGACCTCTACAAAGCCAAGGCCCTGGCAGGGTCAAGGTGGACAAAAGCCGA
 GCCGCCGTGGAGAAAAGGAGTTGTCTTCTGAGCCCCGGACACCCCAAGCCAGCCAGAAAGGGGCTGCTCCG



CTGCAGCTGTCACTGGGCACAGAGAGTTGGCCTTGCCTCACCAGAGGACCTCACACAGGACTTTGAGGA
 GTTGAAGCGTGAGGAGAGAGGTTTGTGGCTGAACAAAGAGATACGGGGCTGGGTGAGAAACCACTCCCT
 GCAGATGCCACAGAGCAGGGGCACCCGAGCGCAGCCATCCAGGTGACTCAACCTCTGGCCCTGTGCTGG
 AGGGAGAACATGTGAAAAGGGAGAAAGAGGTAGTCCCAGACTCCCCAGGGGATAAAGGGAGCACAAACAG
 AGGCCAGACTCTGGGGCTGAGTTCGAGAAAGAGAAAGAAACCTGGGAGGAAAGGAAGCAGAGAGAAGCA
 GAGTGGGCCAGAGAACACTGCGGCCAGGGAGGAGAGCGAAGCTGAGGTAAAGGAGGATGTGATCGAAA
 AGGCCGAGTTAGAGGAAATGGAGGAGACTCATCCTTCAGATGAGGAGGGGGAAGAGACAAAGGCTGAGAG
 CTTTTATCAGAAACATACGCAGGAAGCCCTAAAGGCTAGCCCAAAGAGCAGAGAGGCTCTTGGCGGCCGG
 GACCTGGGGTTCCAGGGCAAGGCACCCGAGAAGGAGACAGCATCATTCTAAGCAGTTTGGCCACACCTG
 CGGGAGCCACTGAACACGTCTCTTACATTCAGGATGAGACAATCCCTGGTACTCAGAGACTGAGCAGAC
 TATTTAGATGAGGAGATCCATGATGAGCCAGATGAACGCCAGCGCCGCCAGATTTCTACGAGTACC
 TATGACCTCTCTGGCCCTGAAGGTCTGGCCCTTTGAAGCCAGCCAGGCTGCAGATAGTGTCTTCCAG
 CCTCTCGAGCAAACTTATGGGCACCTGAGACTGAACCTACCCTCCCAACATGGTCGCCGCCCC
 TCTGGCTGAAGAGGAACATGTGCTCTCAGCCACGTCAATCACCGAGTGTGACAACTCTCTTCTTTGCC
 ACATCGGTGGCTGAGGACCAATCTGTGGCTTCACTCACAGCTCCCAGACGGAGGAGACAGGCAAGAGCT
 CCCTGTTGCTCGACACTGTCACGAGTATCCCTCTTCCGCACTGAAGCCACCCAGGGCCTGGACTATGT
 GCCGTCAGCTGGTACCATCTCCCCACCTTCTCCCTGGAAGAAGACAAGGGCTTCAAGTACCACCTGT
 GAGGATTTCTGTGACCGGGGAGTCGGAGAAGAAAGGAGAGACTGTGGGGAGAGGCTTGAAGCGGGGAGA
 AGGCTGTGGGGAAGGAGGAAAAATAGTGTGACGTCTGAGAACTGTCCGGTCAGTATGCTGTGTGTT
 TGGTGGCCCTGGACACACCCTACCCCGGGGGAACAGCCCTCGGAGAAGTGGAGGAACGGTGCCTCAGC
 CCAGATGACAGCACGGTGAAGATGGCTTCTCTCCACCATCTGGCCACCCAGTGTGCCACACGCCCT
 TTCACCACTCTCCAGTGAAGACAAGTCTGAGCCGCGAGACTTTCAGGAAGATTCCTGGGAGAAAACAA
 GCATTTCCAGGTGTGAGCAAGGAAGACTCTGAGAGCAGACGGTGAAGCCAGGGCCGAGGAGGCACT
 TCAGAAGAGGGGAAGGGACCTCCTACCAGGAGCCCAAGCCCAAGCCAGGACATGCCTGTGAGACTTGTGGG
 GTCAGACTGGCTGTACTATCCAACCTTACCAGAACAAGACAAGCCATAGTGTTTGAAGTGGAGAGGC
 AGGTTTCGAATCTCGGAGCAGGGACCTCCCTGGAGAAGTGAAGACATCAACTGAAGAAGCCACTGAACCT
 CAGAAAGATGAGGTACTTCGCTTACTGATCAAAGCCTTCCCCTGAAGATGCAGAGTCTCTGTCTGTCC
 TCAGTGTGGTCTCCCAGACACTACCAACAAGAGGCCACTCCCAGGTCTCCCTGCAGCCTGAAAGAGCA
 GCAGCCGCACAAAGACCTTTGGCCAATGGTGTCTCCAGAAGACACCCAGTCACTTCTTTCTCAGAAGAG
 AGTCTTAGCAAGGAGACCTCTCTGGATATCTTCTAAGCAGCTCTCTCCAGAAAGCCTTGGCACCTCC
 AGTTTGGAGAACTGAACCTAGGAAAGGAAGAAAGGGGCTGTGATGAAGGCAGAAGACGACTCTTGCCA
 CCTAGCTCCTGTGTCTATTCCAGAGCCACACAGGGCCACAGTGTACCTAGCACAGATGAGACCCCTGCT
 GGGACTTTACCTGGTGGCTCTTTTTCTCACTCTGCACTGTGAGTGCATAGGAAGCACTCACTGGGGAGA
 TCACGGGCCCTGGTGGACTTTATGACATCTGATAGCTCCCTCACCAAGAGTCCCGAGTCTTTGTCAAG
 TCCCGCATGGAAGATCTGGCCGTGGAGTGGGAAGGTAAGCTCCAGGGAAGGAGAAAGAACCTGAGCTA
 AAGAGTGAACCCGACAGCAAAAGGGCCAGATTCTGCCGAGAAGGTTGCTGTTGTGGAGCAGGACTTGA
 TCATACATCAGAAAGACGGGCTCTGGATGAGGAGAACAACCTGGAAGGCAGCAGGATAAGACTCCAGA
 ACAGAAAGGCAGAGACTTGGACGAAAAGGACACGGCTGCAGAGCTGGACAAGGCCAGAACCCAAAGAA
 AAAGACTTAGACCGGGAGGACCAGGGCCAGAGAGCAGGGCCTCCAGCAGAGAAGGACAAGGCCTCAGAAC
 AAAGGGACACAGACCTGCAACAGACCCAGGCCACAGAACCAAGAGACAGACACAAGAGCCGAGAGATT
 AGAAGAAAAGGACAAGAGTTTAGAGCTGAGAGATAGGACTCCTGAAGAGAAGATAGAATATTAGTACAG
 GAAGACAGGGCTCCAGAGCACAGCATCCCTGAACCAACACAGACAGACAGAGCTCCAGATCGCAAAGGCA
 CGGATGATAAAGAACAGAAGGAGGAGCCCTCAGAAGAGAAGAAGCAAGGTTTGAACAACAAAAGACTGGGC
 CCTAGGAAAGGAGGTGAGACCTTGGACCAAGAGGCCAGAAGTGTGAACAGAAAGATGAGACCTAAAA
 GAGGACAAAACCTCAGGGACAGAAGACTCTTTCGTCGAAGATAAAACCACAACATCAAAAGAGACGGTCC
 TTGACCAAAAGTCTGCAGAGAAGGCCAGACTGTGGAGCAGCAGGATGGAGCCGCCCTGGAGAAGACCAG
 AGCTTTGGGGCTGGAAGAGAGCCAGCAGAGGGAAGCAAGGCTCGAGAGCAGGAAAAGAAATACTGGAAG
 GAACAGGATGTGGTCCAGGGATGCGGAGAAACATCTCAACCAGGGGAGAGCCAGTGGGAGGCCAGAAAG
 AGCCTGTTCCAGCCTGGGAGGGCAAGTCTCCTGAGCAAGAAGTCCGGTATTGGAGGGACAGAGACATAAC
 ACTACAGCAGGATGCATACTGGAGGGAGCTAAGCTGTGACAGGAAGGTCTGGTCCCCCATGAGCTAGAT
 GGCCAAGGAGCCCGTCCACGGTACTGTGAGGAACGTGAAAGCACTTTTCTTGTGAGGGGCCAGATGAAC
 AAGAAATAACCCCTGCAGCACACTCCCGGAGTCCCTGGACCTCGGATTTCAAGGATTTCCAGGAGCC

CCTGCCACAGAAGGGGCTGGAAGTAGAGCGCTGGCTTGCTGAGTCACCAGTTGGCCTGCCACCAGAGGAA
 GAGGACAAACTGACACGCTCGCCCTTTGAGATCATCTCCCTCCAGCATCCCCACCTGAGATGACTGGAC
 AGAGGGTTCTTCAGCTCCAGGACAAGAGAGCCCTGTCCAGACACTGAGTCCACAGCACCATGAGGAA
 TGAACCTACCACCCTTCATGGCTAGCTGAGATCCCACCTTGGGTACCTAAGGACAGGCCTCTGCCTCT
 GCACCCCTCTCCCAGCTCCAGCTCCCCAACCTGCCCCAGAGCCACATACTCTGTGCCCTTCTCT
 GGGGCTTAGCTGAATATGACAGTGTGGTGGCTGCCGTGCAGGAGGGGGCAGCGGAGCTGGAAGGCGGCC
 ATACTCCCACCTCGGGAAGGACTATCGAAAAGCTGAAGGGGAAAGGGAAGGAGAGGGTGGGGCTGGAGCT
 CCTGACAGCAGCTCCTTCAGTCCAAAGGTCCAGAGGCTGGTGAGAGCCTTGCCACCAGGACACTGAGC
 AGACTGAGCCAGAGCAGAGAGAGCCACACCCTATCCCGATGAGAGAAGCTTTCAGTATGCAGACATCTA
 TGAACAGATGATGCTTACTGGACTGGGCCCTGCTTGCCCCACCAGGGAGCCTCCACTGGGGGCATCCGGG
 GACTGGCCCCACACCTCTCAACCAAGGAGGAGGCTGCTGGTGAATACTTCTGCAGAGAAGGAGACTT
 CCTCCCCTGCCTCGCCCCAAACCTCCAATCTGACACTCCAGCTTTCAGTACGCATCTCTGGCAGGACC
 CGCTGTACCTCCAGGCAAGAACCGGATCCAGGACCAATGTGGAGCCAGCATCACCCCTCCGCAGTG
 CCCCTCGCGCCCTATCTCCTGAGCAAAGACCTGAGTCCCCTCTTAATGGAAGCACTGTGAGCTGCA
 GCCCGGACAGGAGACCCATCCCCAAAGGAAACGGGCCGAGGTCACTGGGATGATGGTACCAATGACTC
 AGACCTGGAGAAGGGGGCCCGGGAACAGCCGAGAAAGAGACTCGGTCCCCAAGTCCCCATCACCCATG
 CCTATGGGCCACTCCTCACTGTGGCCTGAAACCGAGGCATACAGCAGCCTTTCCTCAGACTCACACCTAG
 GATCTGTCCGTCCAAGTCTGGACTTCCCTGCTTCAGCCTTTGGCTTCTCCTCCTTGACAGCCTGCTCCCC
 TCAGCTGCCCTCTCCAGCTGAACCCCGCTCCGCACCCTGTGGCTCACTTGCCTTCTGCGGACCGAGCT
 CTGGCCTTGGTTCCAGGAACTCCAACGAGAACCCGACATGATGAGTACCTGGAAGTGACCAAGGCACCCA
 GCCTGGATTCTCACTGCCCAACTCCCATCACCCAGCTCTCCTGGGGCCCTCTCTCTAACCTGCC
 CAGACCTGCCTCGCCAGCCTTGTCTGAAGGTCTCTTCTGAGGCTACCACGCCTGTGATTTCAAGTGTG
 GCCGAACGCTTCCCTCCAGTCTCGAGGACCTGAACAGAGTGAACAGAGTGAAGGACTGGGAAAGAGT
 CGGCTGCCACAGCCTCTGGGACCTCACTCCCCTGAGCCAGCTCCCTCAGCTTCACTGGACTTGGCTCC
 AGCTCCAGCTCCAGCTCCAGCTCCAGCTCCAGGCTGCCTGGAGACTTGGCGATGGTACCCTGCCTGC
 CGCCTGAGTGCACAGGGGAACTCACCAAGAAGCCAAGCCCTTCTGAGCCCTCTGGAGATCATGAAG
 CCAATGGCCAGGAGAAACAGCCTTAATCCCCAGGGTTTGTACAGCCACGGCAGAAAAAGAAGAGGC
 TGAAGCCCTCATGCTTGGGAACGAGGGTCTGGCCTGAGGGAGCTGAGAGGAGCTCCCGCCGGATACA
 CTTCTCTCATCTGAGCAGCCACTGCGTCTGGGAAGAGCTCCGGGGGCCACCCTGCAGTCTTCTCTG
 AAGTCAGGCTGGACCTCAGGGATGTGCTACGGATCCCCGCCCCACTGCGGGGAGCTTCCCCCTCATT
 CCTGAACCCTCCTCTGCCTCCATCCACAGATGACAGTACCTTTCACGGAAGAAGCTCGGCTGGCAGGA
 AAAGGAGGGAGGGCAGGGTAGGGAGGCCAGGGCCACGGGAGGTCCATGCCCTATGGCTGATGAGACAC
 CCCCCACATCAGCCAGCGACTCAGGCTCCTCACAGTCAGATTCTGATGTCCCACCAGAACTGAGGAGTG
 TCCATCCATCACAGCTGAGGCAGCCCTCGACTCAGATGAAGATGGGGACTTCTTGCTGTGGACAAAGCT
 GGGGGAGTTAGCGGAACTCACCATCCCAGACCTGGCCATGACCCACCCCAACCCCTACCAGACCCCC
 GCCCATCCCCTCCACGACCGGATGTTTGCATGGCTGACCTGAGGGGCTCAGCTCAGAGTCGGGGAGGGT
 TGAGAGACTACGAGAAAAGGGACGACCTGGCCGTAGGGCCCTGGCCGGGCAAGCTGCATCTCCTGCT
 AGGCGGTTGGATATTCGGGAAAACGGTCACCTACTCTGGCAAAGGGCCTGTAGATCGAACATCTCGTA
 CTGTACCCCGACCACGGAGCACTCAAGCCAGGTCACTCAGCAGAAGAAAAGGATGGTCACAGTCCCAT
 GTCCAAAGGCTTAGTCAATGGCCTCAAGGCAGGATCAACAGCCTTGGGCTCAAGGGTGGTTCCGGCCCT
 CCTGTGTATGTGGATCTTGCCTATATCCAAATCACTGCAGCGGCAAGACTGCGGATCAGGACTTCTCC
 GCCGAGTACGTGCGTCTACTATGTGGTCAAGTGGAAATGACCCTGCCAATGGCGAGCAAGCCGGGCTGT
 GCTGGATGCCCTGCTGGAAGGCAAGGCCAGTGGGGGAGAACCCTCAGGTGACTCTGATCCCCTCAT
 GACACGGAGGTGACTCGTGAAGTGTATCAGCAGACATGAACAGCAGCAGCAGTGAATGCTCCTGGTCC
 TGGCGAGCAGCAGCACTGTGGTATGCAGGACGAGTCTTCCAGCCTGCAAGATTGAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

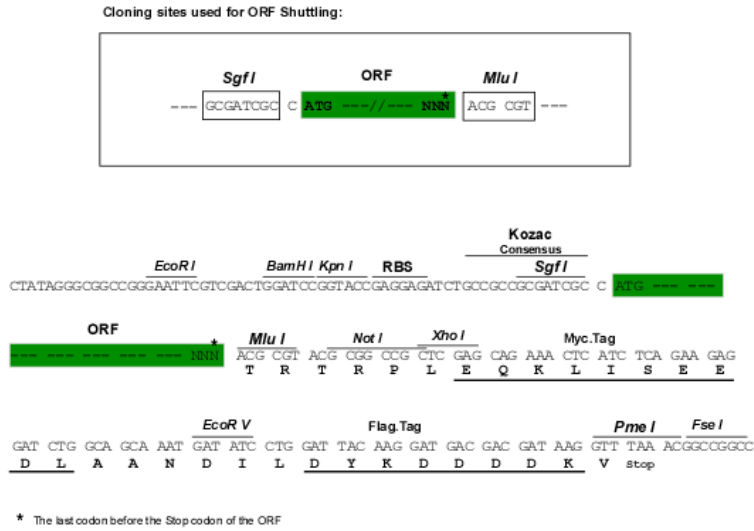
Protein Sequence: >RR204402 representing NM_030995
 Red=Cloning site Green=Tags(s)

MDGVAEFSEYVSETVDVPSPFDLLEPPTSGGFLKLSKPCCYIFPGGRGDSALFAVNGFNILVDGGSDRKS
 CFWKLVRHLDRIDSVLLTHIGADNLPGINGLLQRKVALEEEQSQGSSSYSDWVKNLISPELGVVFFNVP
 DKLRLPDASRKAKRSIEEACLTLQHLNRLGIQAEPLYRVVSNITIEPLTLFHKMGVGRLDMYVLNPKDSK
 EMQFLMQKWAGNSKAKTGIVLANGKEAIESVPYLTISITALVVWLPANPTEKIVRVLFPGNAPQNKILEGL
 EKLRLHDLFLRYPVATQKDLAAGAVPANLKPSPKIKHRADSKEKSLKAAPKTAVSKLAKREEVLEEGAKEARS
 ELAKELAKTEKKAKEPSEKPEKPSKSERVGESEALKAERRLIKDKAGKHLKEKISKLEEKDKKEK
 KEIKKERKELKKEEGRKEEKDAKKDEKRDTKPEVKKLSKPDLPFTPEVRKTLYKAKAPGRVKVDKGR
 AARGEKELSSEPRTTPAQKGAAPPAVSGHRELALSSPEDLTQDFEELKREERGLLAEQRDTGLGEKPLP
 ADATEQGHPASAIQVTQPSGPVLEGEHVEREKEVVPDSPGDKGSTNRGPDSGAEVEKEKETWEERKQREA
 ELGPENTAAREESEAEVKEDVIEKAELEEMEETHPSDEEGEETKAESFYQKHTQEALKASPKSREALGGR
 DLGFQGKAPEKETASFLSSLATPAGATEHVSYIQDETIPGYSETEQTIISDEEIHDEPDERPAPPRFPTST
 YDLSGPEGPGPFASQAADSAVPASSSKTYGAPETELTYPPNMVAAPLAEHHVSSATSITCEDKLSFA
 TSAVEDQSVASLTAPQTEETGKSSLLLDTVTSIPSSRTEATQGLDYVPSAGTISPTSSLEEDKGFKSPPC
 EDFSVTGESEKKGETVGRGLSGEKAVGKEEKYVVTSEKLSGQYAAVFGAPGHTLPPGEPALGEVEERCLS
 PDDSTVKMASPPSPGPPSAAHTPFHQSPVEDKSEPRDFQEDSWGETHKSPGVSKEDSEEQTVKPGPEEGT
 SEEGKGPTRSPQAQDMPVSIAGGQTGCTIQLLPEQDKAIVFETGEAGSNLGAAGTLGPEVRTSTEEATEP
 QKDEVLRFQDQSLPEDAESLSVLSVSPDTPKQEAATPRSPCSLKEQQPHKDLWPMVSPEDTQSLSFSEE
 SPSKETSLDISSKQLSPELGTQFQELNLGKEERGPVMAEDDSCHLAPVSIPEPHRATVSPSTDETPA
 GTLPGGSFHSALSVDRKHSPGEITGPGGHFMTSDSSLTKSPELSSPAMEDLAVEWEGKAPGKEPEL
 KSETRQQKQILPEKVAVVEQDLIIHQKDGALDEENKPGRQDKTPEQKGRDLDEKDTAAELDKGPEPKE
 KDLDRDQQRAGPPAEKDKASEQRDIDLQQTQATEPRDRAQERRDSEEKDKSLELRDRTPEEKDRILVQ
 EDRAPEHSIPEPTQTDRAVDRKGTDDKEQKEEASEEKEQVLEQKDWALGKEGETLDQEARTEAQKDETLK
 EDKTQGGKSSFVEDKTTTSTKETVLDQKSAEKADSVEQQDGAALKTRALGLEESPAEGSKAREQEKKYWK
 EQDVVQGWRETSPTRGEPVGGQKEPVPWEGKSPEQEVRYWRDRDITLQQDAYWRELSCDRKVVFPHELD
 GQGARPRYCEERESTFLDEGPDEQEITPLQHTPRSPWTSDFKDFQEPLPQKLEVERWLAEVGLPPEE
 EDKLRSPFEIISPPASPEMTGQRVPSAPGQESVVPDTESTAPMRNEPTTPSWLAEIPVWPKDRPLPP
 APLSPAPAPPTPAPEPHTPVVPSWGLAEYDSVVAAVQEGAALEGGPYSPLGKDYRKAEGEREGEREGGAGA
 PDSSSFSPKVPEAGESLATRDTEQTEPEQREPTYPYDERSFYADIYEQMMLTGLGPACPTREPPLGASG
 DWPPHLSTKEEAAGCNTSAEKETSSPASQNLQSDTPAFSYASLAGPAVPPRQEPDPGPNVEPSITPPAV
 PPRAPISLSKDLSPPLNGSTVSCSPDRRTPSPKETGRGHWDGTDNDSDLEKGAHQPEKETRSPSPHHPM
 PMGHSSLPWETEAYSSLSSDHLGSRVPSLDFPASAFAFGSSQLPAPPQLPSAPERSAPCGSLAFSGDRA
 LALVPGTPTRTRHDEYLEVTKAPSLDSSLPQLPSPSSPGGPLLNLPRPASPALSEGSSSEATTPVISSV
 AERFPPGLEAAEQSAEGLGSGKESAAHSLWDLTPLSPAPSASLDLAPAPAPAPAPGLPGDLGDGTLPC
 RPECTGELTKKPSFPLSPSGDHEANGGETSLNPPGFVATAEKEEAEAPHAWERGSWPEGAERSRPDT
 LLSSEQLRPGKSSGGPPCSLSSEVEAGPQGCATDPRPHCGELSPSFLNPPLPSTDDSDLSTEEARLAG
 KGGRRRVRPGATGGPCMADETPPTASDSGSSQSDSDVPPETECCPSITAEALDSDDEDGDFLPVDKA
 GGVSNGTHHPRPGHDPPTPLPDRPSPRRPDVCMADPEGLSSESGRVERLREKGRPGRRAPGRAPASPA
 RRLDIRGKRSPTPGKGPVDRSRTVPRRSTPSQVTSAAEKDGHSPMSKGLVNLKAGSTALGSKGGSGP
 PVYVDLAYIPNHCSGKTADQDFRRVRASYVVVSGNDPANGEPSRAVLDALLEGKAQWGENLQVTLIPHT
 DTEVTREWYQQTHEQQQLNLVLAASSSTVVMQDESFPACKIEF

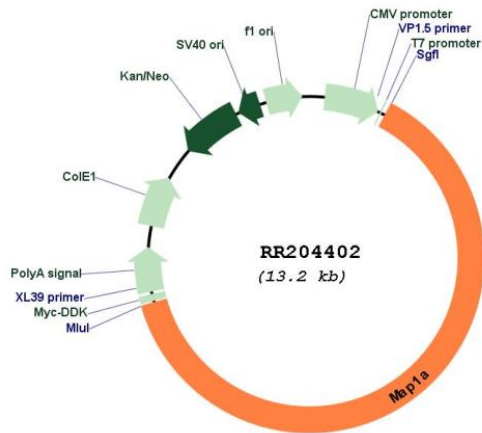
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030995

ORF Size: 8322 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_030995.1 , NP_112257.1
RefSeq Size:	10120 bp
RefSeq ORF:	8325 bp
Locus ID:	25152
UniProt ID:	P34926
Cytogenetics:	3q35
MW:	299.5 kDa
Gene Summary:	structural protein involved in the filamentous cross-bridging between microtubules and other cytoskeletal elements; may play a role in stabilizing the mature neuronal cytoskeleton [RGD, Feb 2006]