

Product datasheet for MR203932

Morf4I2 (NM_001168229) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Morf4I2 (NM_001168229) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Morf4I2
Synonyms:	2410017O14Rik; mKIAA0026; Mrgx; Sid393p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203932 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCCAGAAAGCAGGCTTCTCAAACCTCGTGGACAACAATCTGCTGAAGAAGACAACCTTAAGAAAC
CAACTCGAAGCAATATGCAGAGAAGTAAGATGAGAGGAGCTGCCTCGGAAAGAAGTCAGCTGGTTCGCA
GCCAAAGAATCTCGATCCAGCCCTGCCCGAAGATGGGGAGGTCGCTCTGCTGAGAACCCCTTCCGGT
TCTGTGCGGAAGACCAGGAAGAACAAGCAGAAGGCTCCTGGCAACGGAGACGGAGGCAGTACCAGTGAAG
TCCCCAGCCCCCTCGGAAGAAAAGGGCACGGGCTGACCCCACTGTGGAGAGCGAGGAGGCATTCAAGAG
TAGGATGGAGGTGAAGGTGAAGATCCCTGAAGAATTAACCCGTCGCTGGTGGAGGACTGGGACTTGGTT
ACGAGGCAGAAGCAGTTGTTCCAGCTCCCTGCTAAAAAGAATGTCGATGCCATTCTTGAGGAGTATGCCA
ATTGTAAGAAGTCGCAGGGAAATGTTGATAATAAGGAGTACGCAGTTAATGAAGTTGAGGAGGGATAAA
AGAGTATTTCAATGTGATGCTGGCACTCAGCTGCTGTACAAGTTTAAAGGCCTCAGTATGCTGAGATT
CTGCTGGCTCACCTGATGCGCCGATGTCGCAGATCTATGGGGCGCCACACCTCCTGAGATTATTCGTGA
GAATTTGGGCAATGTTGGCCTATACGCCCTTGATGAGAAAAGCCTGGCATTATTGCTGGGCTATCTGCA
TGATTTCCCTTAAGTATCTGGCAAAGAATTCTGCCTCTCTGTTTACTGCCAGTGATTACAAAGTGGCTTCT
GCTGACTATCATCGCAAAGCCCTG

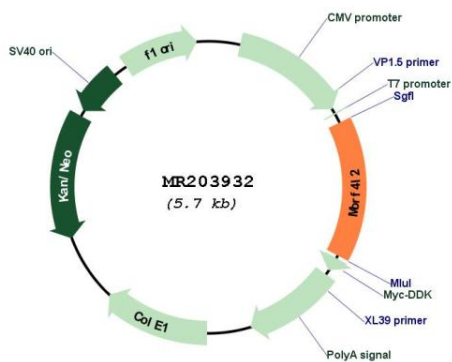
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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:	<u>NM_001168229.1, NP_001161701.1</u>
RefSeq Size:	1803 bp
RefSeq ORF:	867 bp
Locus ID:	56397
UniProt ID:	<u>Q9R0Q4</u>
Cytogenetics:	X F1
MW:	32.2 kDa
Gene Summary:	Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the MSIN3A complex which acts to repress transcription by deacetylation of nucleosomal histones (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203932