

Product datasheet for **MG217575**

Clint1 (NM_001045520) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clint1 (NM_001045520) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clint1
Synonyms:	AI642036; AW537616; C530049I24Rik; Enth; Epn4; F630206G17Rik; mKIAA0171
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217575 representing NM_001045520
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAACATGTGGAAGGTGCGGGAGCTGGTGGACAAAGCCACCAATGTGGTTATGAATTACTCAGAGA
 TTGAGTCTAAGGTTTCGAGAAGCAACGAATGATGATCCCTGGGGACCTTCTGGGCAGCTCATGGGAGAGAT
 TGCCAAGGCTACCTTTATGTATGAGCAGTCCCAAGCACTCATGAACATGCTTTGGTCCCGGATGCTAAAA
 GACAACAAAAAGAACTGGAGAAGAGTTTATAAGTCGTTGCTGCTCCTAGCTTACCTCATAAGAAATGGAT
 CGGAGCGAGTTGTTACAAGTGCCAGAGAACACATTTATGATTTGCGATCCCTGGAAAATTACCACTTTGT
 AGATGAGCATGGCAAGGATCAAGGTATAAACATTCGACAGAAAGTAAAGGAACTGGTTGAGTTTGCACAG
 GATGATGACAGGCTTCGAGAAGAGCGAAAGAAAGCAAAGAAGAACAAGACAAGTATGTCGGGGTCTCTT
 CAGACAGCGTTGGTGGATTCCGATACAATGAGCGGTACGATCCTGAGCCCAAGTCCAAATGGGACGAAGA
 GTGGGATAAGAACAAGAGCGCTTCCGTTTCAGTGACAAGCTGGGCGAGCTGAGCGACAAGATCGGGAGC
 ACGATCGACGACACCATCAGCAAGTCCCGAGGAAAGACCGGGAGGACTCTCCGGAAGGTGCGAGCGACA
 GTGATGAGGAAAAGAAAGCAAGAAGAGGTAGATCTCCAAAGGTGAATCAAAGATGAAGAGGAAAACGGT
 GACGACGAAGCATATCCACATCACACAGGCCACAGAGACCACCAACCCGGCACAAGCGCACAGCAAAC
 CCTTCCAAAACCATTTGATCTTGGAGCAGCAGCACATTACACGGGGGACAAAGCCAGCCAGATCAGAATG
 CTTCAACCCACACGCCTCAGTCGTACGCAAGCCATCGGTGCCGAGCAGCAAGTCTCGGGGACCTCGT
 TGACCTGTTTGTGGCAGTAGCCAGTCAGCAGGTGGATCAGCTGATTTATTTGGGGGATTTGCTGACTTT
 GGCTCAGCTGCTGCATCAGGCAATTTCCCTTCCCAAGCAACAAGTGGGAATGGTACTTTGGTACTGGA
 GTGCCTTCAACCAAGCCCATCAGGCCCTGTGGCTTCTGGTGGTACTTTCGGCAGTCCCAAGTCCAGCT
 GGCTGTGGAGCTTATCAGTGCTTACAGCCAGCTTTAGGCCACCGCCTGCTGCCTCAAACTCGGCAGAC
 CTGTTTGTCTTATGGGCTCATCCAGGCAACCATGACGTCTTCCAGAGCATGAATTTCTCTCTATGA
 GCACTAACACCGTGGGACTTGGTTTGCCTATGTCCAGATCACAGAATACAGATATGGTCCAGAAGTCGGC
 CAGCAAAACCTGCCCTTACTTGGTCTGACCCAGTGTCAACATCAGCCTAGACAACCTACTACCTGGT
 ATGCAGCCTTCCAAGCCCAGCAGCCATCGCTTAATAAATGATTCAACAACAGAATATGCAACAGCCTC
 TGAATGTGATGACACAAAGCTTTGGAGCTGTGAACCTCAGTTCTCCATCAAACATGCTTCTGTCCGGCC
 TCAAACCTCTCCTGGGGGACCCATGCCTATGAACATGCCGGTGTAAATGACGGGACCATGGGA
 ATGGCCCTCTGGGAACAGCGCAGGGATGAGCCAGGGCATGGTGGCATGAACATGAACATGGGGATGT
 CGGCCTCGGGGATGGGCTTGTGGGCACCATGGGAATGGGCATGCCAGCATGGCCATGCCTTCTGGAAC
 TGTGCAACCCAAGCAAGATGCCTTTGCAAACCTTTGCCAAGTTAGCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217575 representing NM_001045520
 Red=Cloning site Green=Tags(s)

MLNMWKVRELVDKATNVVMNYSEIESKVREATNDDPWGSPQLMGEIAKATFMYEQFPELMNMLWSRMLK
 DNKKNWRRVYKSLLLAYLIRNGSERVVTSAHEIYDLRSLENYHFVDEHGKDQGINIRQKVKELVEFAQ
 DDDRLREERKKAKKNKDKYVGVSSDSVGGFRYNERYPPEPKSKWDEEWDKNKSAFPFSDKLGELSDKIGS
 TIDDTISKFRRKDREDSPERCSDSDEEKKARRGRSPKGEFKDEEETVTTKHIHITQATETTTTRHKRTAN
 PSKTIDLGAHAHYTGDKASPDQNASTHTPQSSAKPSVPSSKSSGDLVDLFDGSSQSAGGSADLFGGFADF
 GSAASGNFPSQATSGNGDFGDWSAFNQAPSGPVASGGELFGSAPQSAVELISASQPALGPPPAASNSAD
 LFDLMGSSQATMTSSQSMNFSLMSTNTVGLGLPMSRSQNTDMVQKSASKTLPSTWSDPSVNIISLDNLLPG
 MQPSKPQQPSLNTMIQQQNMQQPLNVMTQSFQAVNLSPPSNMLPVRPQTNPLGGPMPMMPGVMTGMTG
 MAPLGNASAGMSQGMVGMNMMGMSASGMGLSGTMGMMPMAMPSTVQPKQDAFANFANFSK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001045520

ORF Size: 1869 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:

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_001045520.4](#)

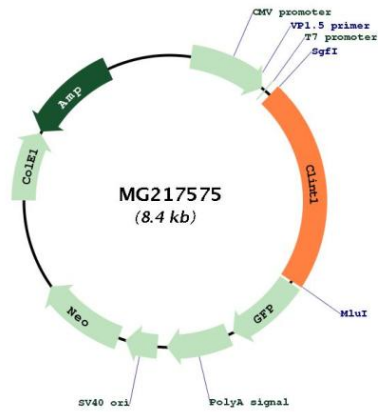
RefSeq Size: 3398 bp

RefSeq ORF: 1872 bp

Locus ID: 216705

Cytogenetics: 11 B1.1

Product images:



Circular map for MG217575