

Product datasheet for **MG219035**

Ctnna3 (NM_001164519) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnna3 (NM_001164519) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ctnna3
Synonyms:	4930429L08Rik; 4933408A16; Catna3; Vr22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219035 representing NM_001164519
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGTTAGCACCAAAGGAGGACAGACTAAATGCAAATAAGAACTTAATTGTCCTGAACCCACTCACAG
 TGACAGAGGAAGATGTAAGACCATCACTAGAGAAACGCCTAGAAGCCATCATCAGTGGGGCCGACTGTT
 GGCCGACTCGTCCTGCACCAGGGACCTCCACCGGAGCGGATTATCGCCGAGTGCATGCCATCCGCCAG
 GCTCTCCAGGACCTGCTGACGGAGTACATGAGTAATACTGGAAAAACAGAAAGGAGTAATACCCTGAATA
 CTGCCATTGTCAACATGAGCAAGAAGACAAGAGACCTCCGACAGACAGCTCCGCAAAGCTATCATAGATCA
 CATATCAGATTCTTTCTGGATAACAACAGTTCCTACTCCTGGTCTCATTGAAGCTGCGAAGAATGGCCGA
 GTCAAGGAAATCAAAGACTATGCTGCCATATTTTCATGAGCACACTGCCAGGCTCGTGGAGGTGGCAAATC
 TGGCTTGTCCATGTCAACGAATGAAGATGGGATTAATAATCGTCAGAATTCAGCCAATCACCTGGAGAC
 CCTGTGTCCACAGATCATAAATGCTGCCTTGGTTGGCATCAAGACCCAAGAGTCAAGTGGTCAAAAAAC
 ACCATGGAAATGTACAAGCGCACATGGGAACACTACATCCACGTCTCACTGAAGCTGTAGATGACATCA
 CCAGCATTGACGACTTTCTGGCTGTATCTGAAAGCCACATCCTGGAAAGTGTCAACAAATGCATTATAGC
 CTTGAGAGATCAGGATGCTGATAATTTAGACCGAGCTGCCGGTCCATCAGAGGACGGGCCGAAGAGTA
 GCTCACATCGTTGCGGGTGAATGGATAGTTACGAACCCGGCGCTTACACCGAAGGTGTGATGAGAAATG
 TCAACTTCCTTACAAGCACTGTGATCCCGGAGTTCGTGACACAAGTGAATGTGGCCCTAGATGCTTTAAG
 CAAGAACTCTCTGACTGCGCTTGATGATAATCAGTTTGTGGACATCTCCAAGAAGATCTATGACACAATC
 CATGATATCAGGTGTTCCGGTCATGATGATTCGGACACCAGAGGAAGTGGTCTGACCTTGAAG
 ATGACCATGAGGTCGGTACCCACACCAAGTTCAGACAGAAAGGAAAACATGATCGGGCCAAGATGACTCA
 ACTGCCTGAGGCAGAAAAGGAAAAGATTGCTGAGCAAGTCGCCGACTTCAAGAAGGTGAAGAGCAAGCTG
 GACGCTGAGATTGAGATATGGGATGACACAAGCAATGACATCATTGTTCTTGCCAAGAAGATGTGCATGA
 TCATGATGGAGATGACCGACTTCACGAGGGGAAAGGACCACTAAAGCATACCACTGATGTAATCTATGC
 AGCTAAAATGATATCAGAGTCAGGATCAAGGATGGATGTTCTTGCTCGGCAGATTGCTAACCAGTGTCCA
 GATCCACCGTGAACAGGACTTGTGGCTTACCTGGAACAGATTAATTTCTACTCCACCAAGTGAAGAA
 TCTGCAGTCAAGTTAAAGCAGAGATCCAAAATCTGGGGGAGAAGTATCGTATCAGCTTTGGACAGTGT
 CACCTCCCTGATCCAGGCAGCAAGAATTAATGAATGCTGTAGTCAAACAGTGAAGTGCATACATT
 GCCTCCCAAGATCATCCGCATCCAGATTCTGCAGGACCCCGCACCCAGTAGTCATGTGGAGGATGA
 AGGCTCCGGCTAAGAAGCCCTTGATTAAGAGAGAGAAGCCAGAAGAAACATGGGCAGCTGTGAGAAGAGG
 CTCTGCCAAGAAAAGATCCACCCAGTTCAGTCAAGTCAAGTGAATTCAGAGGGAGACAAGTCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219035 representing NM_001164519
 Red=Cloning site Green=Tags(s)

MMLAPKEDRLNANKNLIVLNPLTVTEEDVRPSLEKRLEAIIISGAALLADSSCTRDHRERIIAECNAIRQ
 ALQDLLTEYMSNTGKTERSNTLNTAIVNMSKTRDLRRQLRKAIIDHISDSFLDTTVPLLVLIEAAKNGR
 VKEIKDYAAIFHEHTGRLVEVANLACSMSTNEDGIKIVRIAANHLETLPQIINAALALASRPKSQVVKV
 TMEYKRTWEHYIHVLTEAVDDITSIDDFLAVSESHILEDVNKCIALRDQDADNLDRAAGAIRGRAARV
 AHIVAGEMDSYEPGAYTEGVMRNVNFLTSTVIPEFVTQVNVLDALSKNSLTALDDNQFVDISKIYDTI
 HDIRCSVMMIRTPEELEDVSDLEDDHEVRSHTSIQTEGKTDRAKMTQLPEAEKEKIAEQVADFVKVSKL
 DAEIEIWDSDTNDIIVLAKKMCMMEMTDFTRKGPLKHTTDVIYAAKMISESGSRMDVLRQIANQCP
 DPPCKQDLLAYLEQIKFYSHQLKICSQVKAIEIQLGGELIVSALDSVTSLIQAANKLMNAVVTVMYSYI
 ASTKIIRIQSSAGPRHPVVMWRMKAPAKKPLIKREKPEETWAAVRRGSAKKKIHPVQVMSEFRGRQVY

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001164519

ORF Size: 1884 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_001164519.1](#), [NP_001157991.1](#)

RefSeq Size: 2840 bp

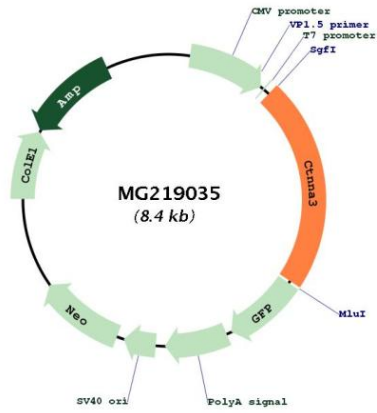
RefSeq ORF: 1887 bp

Locus ID: 216033

Cytogenetics: 10 B4- B5.1

Gene Summary: May be involved in formation of stretch-resistant cell-cell adhesion complexes.
 [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG219035