

Product datasheet for **MG217583**

Ctnna3 (NM_001164376) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Ctnna3 (NM_001164376) 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) |



[View online »](#)

ORF Nucleotide Sequence:

>MG217583 representing NM_001164376
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGCAGAAACGCCAATAACCTGAATATGGACACTCAGGATCTGCAGATCCAAACGTTCACTGTGG
 AGAAACTGCTGGAGCCTCTGATAATCCAGGTTACTACCCTGGTGAATTGTCCGCAGAATCCTTCCAACAG
 GAAGAAAGGACGTTCAAAGAGAGCCAGAGTTCTTCTAGCTTCCGTGGAGGAAGCAACTTGAATTTGTTA
 GACAAGGGGGAGATGATTGCTAAGGAAGCCACGGTTTTAAAGGAAGAGCTGGCAGCTGCACTCCAGGAAG
 TTCGAAAAGAGAGCAAAGCTCTGAAGGTATCAGCTGAGAGATTTACAGACGACCCCTGTTACCTCCCGAA
 AAGGGAGGCCGTTCAAGCCGCCCGCCCTGTTGGCAGCAGTTACAAGACTCCTTGTCTTGCCGAC
 ATGATTGATGTCATGTGCCTCTTGACGATGTGTATCTTTCAAAGAACATTGAGTCTCTCAAAAATG
 TTTCCAACAAGTCCGACCTCCAGAGAACCTACCAGAAGCTCGGGAAGGAGCTGGAAGCCTGGATTATTT
 GGCCTTCAAACGCCAGCAGGACCTAAAACTCCAAGCCAGAGGGATGAAATTGCAGGGGCCCGGCCACC
 TTGAAGGAGAACTCCCCACTCTGCATTCTATTTGTTCCAGCATGCTTGAACATTCCGATGTTGCTTCGC
 TCAAAGCCAGTAAGGACACCGTCTGTGAAGAGATCCAGAACGCTCTTGATGTAATTTCAAATGCTTCCCA
 AGGCATCCAGAATGCGCCAGCGCCCCCTGAACCTCAGGCAGCAACTGGGAAGTCTTTTGATGAGCTG
 GAGAACTTAATTGCTGAAACCCACTCACAGTGACAGAGGAAGATGTAAGACCATCACTAGAGAAACGCC
 TAGAAGCCATCATCAGTGGGGCCGCACTGTTGGCCGACTCGTCTGCACCAGGGACCTCCACCGGGAGCG
 GATTATCGCCGAGTGAATGCCATCCGCCAGGCTCTCCAGGACCTGCTGACGGAGTACATGAGTAATACT
 GGAAAAACAGAAAGGAGTAATACCCTGAATACTGCCATTGTCAACATGAGCAAGAAGACAAGAGACCTCC
 GCAGACAGCTCCGCAAAGCTATCATAGATCACATATCAGATTCTTTCTTGATACAACAGTCCACTCCT
 GGTCTCATTGAAGCTGCGAAGAATGGCCGAGTCAAGGAAATCAAAGACTATGCTGCCATATTTTCATGAG
 CACACTGGCAGGCTCGTGGAGGTGGCAAATCTGGCTTGTTCATGTCAACGAATGAAGATGGGATTA
 TCGTCAGAATTGCAGCCAATCACCTGGAGACCCTGTGTCCACAGATCATAAATGCTGCACTTGTCTTGGC
 ATCAAGACCCAAGAGTCAAGTGGTCAAAAACACCATGGAATGTACAAGCGCACATGGGAACACTACATC
 CACGTCCTCACTGAAGCTGTAGATGACATCACCAGCATTGACGACTTTCTGGCTGTATCTGAAAGCCACA
 TCCTGGAAGATGTCAACAAATGCATTATAGCCTTGAGAGATCAGGATGCTGATAATTTAGACCGAGCTGC
 CGGTGCCATCAGAGGACGGCCGAAGAGTAGCTCACATCGTTGGGGTGAATGGATAGTTACGAACCC
 GGCCTTACACCGAAGGTGTGATGAGAAATGTCAACTTCTTACAAGCACTGTGATCCCGGAGTTCTGTGA
 CACAAGTGAATGTGGCCCTAGATGCTTTAAGCAAGAACTCTGACTGCGCTTGATGATAATCAGTTTGT
 GGACATCTCCAAGAAGATCTATGACACAATCCATGATATCAGGTGTTCCGTCATGATGATTCCGGACCCA
 GAGGAACTAGAGGATGTTTCTGACCTTGAAGATGACCATGAGGTCCGTAGCCACACCAGCATTGAGACAG
 AAGGGAAAAGTATCGGGCCAAGATGACTCAACTGCCTGAGGCAGAAAAGGAAAAGATTGCTGAGCAAGT
 CGCCGACTTCAAGAAGGTGAAGAGCAAGCTGGACGCTGAGATTGAGATATGGGATGACACAAGCAATGAC
 ATCATTGTTCTTGCCAAGAAGATGTGCATGATCATGATGGAGATGACCGACTTACGAGGGGGAAAGGAC
 CACTAAAGCATAACCACTGATGTAATCTATGCAGCTAAAATGATATCAGAGTCAGGATCAAGGATGGATGT
 TCTTGTCTGGCAGATTGCTAACCAGTGTCCAGATCCACCGTGCAACAGGACTTGTGGCTTACCTGGAA
 CAGATTAATTTCTACTCCACCAGCTGAAAATCTGCAGTCAAGTTAAAGCAGAGATCCAAAATCTGGGGG
 GAGAACTCATCGTATCAGCTTTGGACAGTGTACCTCCCTGATCCAGGCAGCCAAGAATTTAATGAATGC
 TGTAGTGCAAACAGTGAATGTCATACATTGCCTCCACCAAGATCATCCGCATCCAGAGTTCTGCAGGA
 CCCCAGCACCCAGTAGTCATGTGGAGGATGAAGGCTCCGGCTAAGAAGCCCTTGATTAAGAGAGAGAAGC
 CAGAAGAAAATGAGGAGCTGTGAGAAGAGGCTCTGCAAGAAAAGATCCACCCAGTTCAGTCATGAG
 TGAATTCAGAGGGAGACAAGTCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217583 representing NM_001164376
 Red=Cloning site Green=Tags(s)

MSAETPITLNMDTQDLQIQFTTVEKLEPLIIQVTTLVNCPQNPSNRKKGRSKRARVLLASVEEATWNLL
 DKGEMIAKEATVLKEELAAALQEVKESKALKVSAERFTDDPCYLPKREAVVQAARALLAAVTRLLVLAD
 MIDVMCLLQHVSSFQRTFESLKNVSNKSDLQRTYQKLGKELESLDYLAFKRQDCLKSPQRDEIAGARAT
 LKENSPLLHSICSACLEHSDVASLKASKDTVCEEIQNALDVISNASQGIQNPAPPEPQAATLGSADFDEL
 ENLIVLNPLTVTEEDVRPSLEKRLEAIIISGAALLADSSCTRDLHRERIIAECNAIRQALQDLLTEYMSNT
 GKTERSNTLNTAIVNMSKTRDLRRLRKAIDHISDSFLDTTVPLLVLIEAAKNGRVKEIKDYAAIFHE
 HTGRLVEVANLACSMSTNEDGIKIVRIAANHLETLCPIINAALALASRPKSQVVKNTMEMYKRTWEHYI
 HVLTEAVDDITSIDDFLAVSESHILEDVNKCIIALRDQDADNLDRAAGAIRGRAARVAHIVAGEMDSYEP
 GAYTEGVMRNVNFLTSTVIPEFVTQVNVALDALSKNSLTALDDNQFVDISKKIYDTIHDIRCSVMMIRTP
 EELEDVSDLEDDHEVRSHTSIQTEGKTDRAKMTQLPEAEKEKIAEQVADFVKVSKLDAEIEIWDDTSDN
 IIVLAKKMCIMMEMTDFTRGKGPLKHTTDVIYAAKMISESGSRMDVLRQIANQCPDPCKQDLLAYLE
 QIKFYSHQLKICSQVKAIEIQLGGELIVSALDSVTSLSIIQAAKNLMNAVVTQVKMSYIASTKIIRIQSSAG
 PRHPVVMWRMKAPAKKPLIKREKPEETWAAVRRGSAKKKIHPVQVMSEFRGRQVY

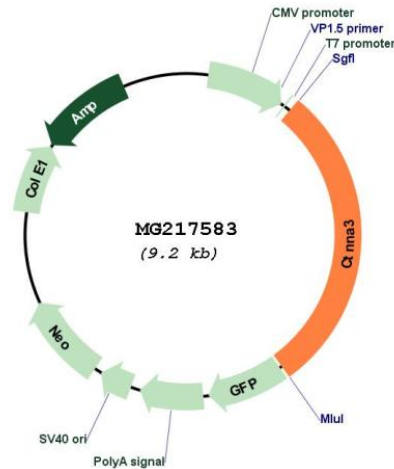
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001164376

ORF Size: 2685 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_001164376.1](#), [NP_001157848.1](#)

RefSeq Size: 3681 bp

RefSeq ORF: 2688 bp

Locus ID: 216033

UniProt ID: [Q65CL1](#)

Cytogenetics: 10 B4- B5.1

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