

Product datasheet for **MG216005**

Ctnna3 (NM_177612) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnna3 (NM_177612) 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:

>MG216005 representing NM_177612
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGCAGAAACGCCAATAACCTGAATATGGACACTCAGGATCTGCAGATCCAAACGTTCACTGTGG
 AGAACTGCTGGAGCCTCTGATAATCCAGGTTACTACCCTGGTGAATTGTCCGCAGAATCCTTCCAACAG
 GAAGAAAGGACGTTCAAAGAGAGCCAGAGTTCTTCTAGCTTCCGTGGAGGAAGCAACTTGAATTTGTTA
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 TTCGAAAAGAGAGCAAAGCTCTGAAGGTATCAGCTGAGAGATTTACAGACGACCCCTGTTACCTCCCGAA
 AAGGGAGGCCGTGGTTCAAGCCGCCCGCCCTGTTGGCAGCAGTTACAAGACTCCTTGTCTTGCCGAC
 ATGATTGATGTCATGTGCCTCTTGACGATGTGTATCTTTCAAAGAACATTGAGTCTCTCAAAAATG
 TTTCCAACAAGTCCGACCTCCAGAGAACCTACCAGAAGCTCGGGAAGGAGCTGGAAGCCTGGATTATTT
 GGCCTTCAAACGCCAGCAGGACCTAAAACTCCATGCCAGAGGGATGAAATTGCAGGGGCCCGGCCACC
 TTGAAGGAGAACTCCCCACTCTGCATTCTATTTGTTCCAGCATGCTTGAACATTCCGATGTTGCTTCGC
 TCAAAGCCAGTAAGGACACCGTCTGTGAAGAGATCCAGAACGCTCTTGATGTAATTTCAAATGCTTCCCA
 AGGCATCCAGAATGCGCCAGCGCCCCCTGAACCTCAGGCAGCAACTGGGAAGTGCCTTTGATGAGCTG
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 CGGTGCCATCAGAGGACGGCCGAAGAGTAGCTCACATCGTTGCGGGTGAATGGATAGTTACGAACCC
 GGCCTTACACCGAAGGTGTGATGAGAAATGTCAACTTCTTACAAGCACTGTGATCCCAGGATTCGTGA
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 GGACATCTCCAAGAAGATCTATGACACAATCCATGATATCAGGTGTTCCGTGATGATGATTCGGACACCA
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 CCCCGGCACCCAGTAGTCATGTGGAGGATGAAGGCTCCGGCTAAGAAGCCCTTGATTAAGAGAGAGAAGC
 CAGAAGAAAATGAGGAGCTGTGAGAAGAGGCTCTGCAAAGAAAAGATCCACCCAGTTCAGTCATGAG
 TGAATTCAGAGGGAGACAAGTCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216005 representing NM_177612
 Red=Cloning site Green=Tags(s)

MSAETPITLNMDTQDLQIQFTTVEKLEPLIIQVTTLVNCPQNPSNRKKGRSKRARVLLASVEEATWNLL
 DKGEMIAKEATVLKEELAAALQEVKESKALKVSAERFTDDPCYLPKREAVVQAARALLAAVTRLLVLAD
 MIDVMCLLQHVSSFQRTFESLKNVSNKSDLQRTYQKLGKELESLDYLAFKRQDDLKSPCQRDEIAGARAT
 LKENSPLLHSICSACLEHSDVASLKASKDTVCEEIQNALDVISNASQGIQNAPAPPEPQAATLGSADFEL
 ENLIVLNPLTVTEEDVRPSLEKRLEAIIISGAALLADSSCTRDLHRERIIAECNAIRQALQDLLTEYMSNT
 GKTERSNTLNTAIVNMSKTRDLRRLRKAIDHISDSFLDTTVPLLVLIEAAKNGRVKEIKDYAAIFHE
 HTGRLVEVANLACSMSTNEDGKIVRIAANHLETLCPIINAALALASRPKSQVVKNTMEMYKRTWEHYI
 HVLTEAVDDITSIDDFLAVSESHILEDVNKCIIALRDQDADNLDRAAGAIRGRAARVAHIVAGEMDSYEP
 GAYTEGVMRNVNFLTSTVIPEFVTQVNVALDALSKNSLTALDDNQFVDISKKIYDTIHDIRCSVMMIRTP
 EEEEDVSDLEDDHEVRSHTSIQTEGKTDRAKMTQLPEAEKEKIAEQVADFVKVSKLDAEIEIWDDTSDN
 IIVLAKKMCIMMEMTDFTRGKGPLKHTTDVIYAAKMISESGSRMDVLRQIANQCPDPCKQDLLAYLE
 QIKFYSHQLKICSQVKAIEIQLGGELIVSALDSVTSLIIQAAKNLMNAVVTQVKMSYIASTKIIRIQSSAG
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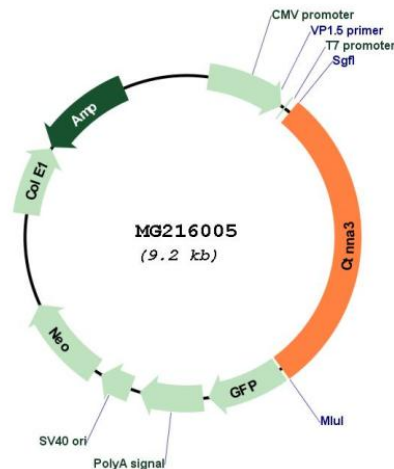
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_177612

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_177612.3](#), [NP_808280.2](#)

RefSeq Size: 3609 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]