

Product datasheet for **MR216005**

Ctnna3 (NM_177612) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnna3 (NM_177612) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctnna3
Synonyms:	4930429L08Rik; 4933408A16; Catna3; Vr22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR216005 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGCAGAAACGCCAATAACCTGAATATGGACACTCAGGATCTGCAGATCCAAACGTTCACTGTGG
 AGAAACTGCTGGAGCCTCTGATAATCCAGGTTACTACCCTGGTGAATTGTCCGCAGAATCCTTCCAACAG
 GAAGAAAGGACGTTCAAAGAGAGCCAGAGTTCTTCTAGCTTCCGTGGAGGAAGCAACTTGAATTTGTTA
 GACAAGGGGGAGATGATTGCTAAGGAAGCCACGGTTTTAAAGGAAGAGCTGGCAGCTGCACTCCAGGAAG
 TTCGAAAAGAGAGCAAAGCTCTGAAGGTATCAGCTGAGAGATTTACAGACGACCCCTGTTACCTCCCGAA
 AAGGGAGGCCGTGGTTCAAGCCGCCCGCCCTGTTGGCAGCAGTTACAAGACTCCTTGTCTTGCCGAC
 ATGATTGATGTCATGTGCCTCTTGACGATGTGTATCTTTCAAAGAACATTGAGTCTCTCAAAAATG
 TTTCCAACAAGTCCGACCTCCAGAGAACCTACCAGAAGCTCGGGAAGGAGCTGGAAGCCTGGATTATTT
 GGCCTTCAAACGCCAGCAGGACCTAAAACTCCATGCCAGAGGGATGAAATTGCAGGGGCCCGGCCACC
 TTGAAGGAGAACTCCCCACTCTGCATTCTATTTGTTCCAGCATGCTTGAACATTCCGATGTTGCTTCGC
 TCAAAGCCAGTAAGGACACCGTCTGTGAAGAGATCCAGAACGCTCTTGATGTAATTTCAAATGCTTCCCA
 AGGCATCCAGAATGCGCCAGCGCCCCCTGAACCTCAGGCAGCAACTGGGAAGTGCCTTTGATGAGCTG
 GAGAACTTAATTGCTCTGAACCCACTCACAGTGACAGAGGAAGATGTAAGACCATCACTAGAGAAACGCC
 TAGAAGCCATCATCAGTGGGGCCGCACTGTTGGCCGACTCGTCTGCACCAGGGACCTCCACCGGGAGCG
 GATTATCGCCGAGTGAATGCCATCCGCCAGGCTCTCCAGGACCTGCTGACGGAGTACATGAGTAATACT
 GGAAAAACAGAAAGGAGTAATACCCTGAATACTGCCATTGTCAACATGAGCAAGAAGACAAGAGACCTCC
 GCAGACGCTCCGCAAAGCTATCATAGATCACATATCAGATTCTTTCTTGATACAACAGTCCACTCCT
 GGTCTCATTGAAGCTGCGAAGAATGGCCGAGTCAAGGAAATCAAAGACTATGCTGCCATATTTTCATGAG
 CACACTGGCAGGCTCGTGGAGGTGGCAAATCTGGCTTGTTCATGTCAACGAATGAAGATGGGACTAAAA
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 ATCAAGACCCAAGAGTCAAGTGGTCAAAAACACCATGGAATGTACAAGCGCACATGGGAACACTACATC
 CACGTCTCACTGAAGCTGTAGATGACATCACCAGCATTGACGACTTTCTGGCTGTATCTGAAAGCCACA
 TCCTGGAAGATGTCAACAAATGCATTATAGCCTTGAGAGATCAGGATGCTGATAATTTAGACCGAGCTGC
 CGGTGCCATCAGAGGACGGCCGAAGAGTAGCTCACATCGTTGCGGGTGAATGGATAGTTACGAACCC
 GGCCTTACACCGAAGGTGTGATGAGAAATGTCAACTTCTTACAAGCACTGTGATCCCGGAGTTCTGTGA
 CACAAGTGAATGTGGCCCTAGATGCTTTAAGCAAGAACTCTGACTGCGCTTGATGATAATCAGTTTGT
 GGACATCTCCAAGAAGATCTATGACACAATCCATGATATCAGGTGTTCCGTGATGATGATTCGGACACCA
 GAGGAACTAGAGGATGTTTCTGACCTTGAAGATGACCATGAGGTCCGTAGCCACACCAGCATTGAGACAG
 AAGGGAAAAGTATCGGGCCAAGATGACTCAACTGCCTGAGGCAGAAAAGGAAAAGATTGCTGAGCAAGT
 CGCCGACTTCAAGAAGGTGAAGAGCAAGCTGGACGCTGAGATTGAGATATGGGATGACACAAGCAATGAC
 ATCATTGTTCTTGCCAAGAAGATGTGCATGATCATGATGGAGATGACCGACTTACGAGGGGGAAAGGAC
 CACTAAAGCATAACCACTGATGTAATCTATGCAGCTAAAATGATATCAGAGTCAGGATCAAGGATGGATGT
 TCTTGTCTGGCAGATTGCTAACCAGTGTCCAGATCCACCGTGCAACAGGACTTGTGGCTTACCTGGAA
 CAGATTAATTTCTACTCCACCAGCTGAAAATCTGCAGTCAAGTTAAAGCAGAGATCCAAAATCTGGGGG
 GAGAACTCATCGTATCAGCTTTGGACAGTGTACCTCCCTGATCCAGGCAGCCAAGAATTTAATGAATGC
 TGTAGTGCAAACAGTAAAAATGTCATACATTGCCTCCACCAAGATCATCCGCATCCAGAGTTCTGCAGGA
 CCCCAGCACCCAGTAGTCATGTGGAGGATGAAGGCTCCGGCTAAGAAGCCCTTGATTAAGAGAGAGAAGC
 CAGAAGAAAATGGGCAGCTGTGAGAAGAGGCTCTGCAAAGAAAAGATCCACCCAGTTCAAGTCATGAG
 TGAATTCAGAGGGAGACAAGTCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216005 protein sequence
 Red=Cloning site Green=Tags(s)

MSAETPITLNMDTQDLQIQFTTVEKLLLEPLIIQVTTLVNCPQNPSNRKKGRSKRARVLLASVEEATWNLL
 DKGEMIAKEATVLKEELAAALQEVKESKALKVSAERFTDDPCYLPKREAVVQAARALLAAVTRLLVLAD
 MIDVMCLLQHVSSFQRTFESLKNVSNKSDLQRTYQKLGKELESLDYLAFKRQDDLKSPCQRDEIAGARAT
 LKENSPLLLHSICSACLEHSDVASLKASKDVTVCEEIQNALDVISNASQGIQNPAPPEPQAATLGSADFDEL
 ENLIVLNPLTVTEEDVRPSLEKRLEAIIISGAALLADSSCTRDLHRERIIAECNAIRQALQDLLTEYMSNT
 GKTERSNTLNTAIVNMSKTRDLRRQLRKAIDHISDSFLDTTVPLLVLIEAAKNGRVKEIKDYAAIFHE
 HTGRLVEVANLACSMSTNEDGKIVRIAANHLETLPQIINAALALASRPKSQVVKNTMEMYKRTWEHYI
 HVLTEAVDDITSIDDFLAVSESHILEDVNKCIIALRDQDADNLDRAAGAIRGRAARVAHIVAGEMDSYEP
 GAYTEGVMRNVNFLTSTVIPEFVTQVNVLDALSKNSLTALDDNQFVDISKKIYDTIHDIRCSVMMIRTP
 EELEDVSDLEDDHEVRSHTSIQTEGKTDRAKMTQLPEAEKEKIAEQVADFVKVSKLDAEIEIWDDTSND
 IIVLAKKMCMMEMTDFTRGKGPLKHTTDVIYAAKMISESGSRMDVLRQIANQCPDPCKQDLLAYLE
 QIKFYSHQLKICSQVKAIEQNLGGELIVSALDSVTSLIQAAKNLMNAVQTVKMSYIASTKIIRIQSSAG
 PRHPVVMWRMKAPAKKPLIKREKPEETWAAVRRGSAKKKIHPVQVMSEFRGRQVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

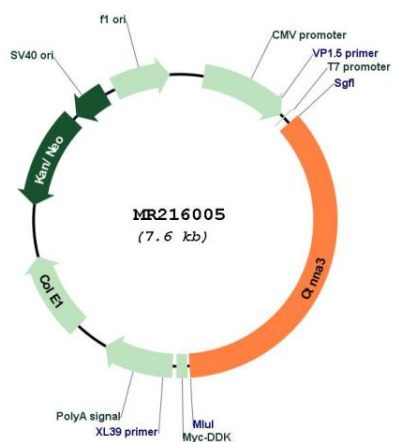
Cloning Scheme:



ACCN: NM_177612

ORF Size:	2688 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:	<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:	NM_177612.1 , NM_177612.2 , 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
MW:	99.8 kDa
Gene Summary:	May be involved in formation of stretch-resistant cell-cell adhesion complexes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216005