

Product datasheet for **MR219035**

Ctnna3 (NM_001164519) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnna3 (NM_001164519) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctnna3
Synonyms:	4930429L08Rik; 4933408A16; Catna3; Vr22
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR219035 representing NM_001164519
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGTTAGCACCAAAGGAGGACAGACTAAATGCAAATAAGAACTTAATTGTCCTGAACCCACTCACAG
 TGACAGAGGAAGATGTAAGACCATCACTAGAGAAACGCCTAGAAGCCATCATCAGTGGGGCCGCACTGTT
 GGCCGACTCGTCCTGCACCAGGGACCTCCACCGGAGCGGATTATCGCCGAGTGCATGCCATCCGCCAG
 GCTCTCCAGGACCTGCTGACGGAGTACATGAGTAATACTGGAAAAACAGAAAGGAGTAATACCCTGAATA
 CTGCCATTGTCAACATGAGCAAGAAGACAAGAGACCTCCGACAGACAGCTCCGCAAAGCTATCATAGATCA
 CATATCAGATTCTTTCTGGATAACAAGTTCCTACTCCTGGTCTCATTGAAGCTGCGAAGAATGGCCGA
 GTCAAGGAAATCAAAGACTATGCTGCCATTTTCATGAGCACACTGCCAGGCTCGTGAGGTGGCAAATC
 TGGCTTGTCCATGTCAACGAATGAAGATGGGATTAATAATCGTCAGAATTCAGCCAATCACCTGGAGAC
 CCTGTGTCCACAGATCATAAATGCTGCCTTGGTTGGCATCAAGACCCAAGAGTCAAGTGGTCAAAAAC
 ACCATGGAAATGTACAAGCGCACATGGGAACACTACATCCACGTCTCACTGAAGCTGTAGATGACATCA
 CCAGCATTGACGACTTTCTGGCTGTATCTGAAAGCCACATCCTGGAAAGTGTCAACAAATGCATTATAGC
 CTTGAGAGATCAGGATGCTGATAATTTAGACCGAGCTGCCGGTGCATCAGAGGACGGGCCGAAGAGTA
 GCTCACATCGTTGCGGGTGAATGGATAGTTACGAACCCGGCGCTTACACCGAAGGTGTGATGAGAAATG
 TCAACTTCCTTACAAGCACTGTGATCCCGGAGTTCGTGACACAAGTGAATGTGGCCCTAGATGCTTTAAG
 CAAGAACTCTCTGACTGCGCTTGATGATAATCAGTTTGTGGACATCTCCAAGAAGATCTATGACACAATC
 CATGATATCAGGTGTTCCGGTCATGATGATTCGGACACCAGAGGAACTAGAGGATGTTTCTGACCTGAAG
 ATGACCATGAGGTCGGTAGCCACACCAGCATTAGACAGAAAGGAAAACACTGATCGGGCCAAGATGACTCA
 ACTGCCTGAGGCAGAAAAGGAAAAGATTGCTGAGCAAGTCGCCGACTTCAAGAAGGTGAAGAGCAAGCTG
 GACGCTGAGATTGAGATATGGGATGACACAAGCAATGACATCATTGTTCTTGCCAAGAAGATGTGCATGA
 TCATGATGGAGATGACCGACTTCACGAGGGGAAAGGACCACTAAAGCATACCACTGATGTAATCTATGC
 AGCTAAAATGATATCAGAGTCAGGATCAAGGATGGATGTTCTTGTGCGCAGATTGCTAACCAGTGTCCA
 GATCCACCGTCAAAACAGGACTTGCTGGCTTACCTGGAACAGATTAATTTCTACTCCACCACTGAAAA
 TCTGCAGTCAAGTTAAAGCAGAGATCCAAAATCTGGGGGAGAAGTCACTCGTATCAGCTTTGGACAGTGT
 CACCTCCCTGATCCAGGCAGCAAGAATTAATGAATGCTGTAGTCAAACAGTGAATGTCATACATT
 GCCTCCCAAGATCATCCGCATCCAGATTCTGCAGGACCCCGCACCCAGTAGTCATGTGGAGGATGA
 AGGCTCCGGCTAAGAAGCCCTTGATTAAGAGAGAGAAGCCAGAAGAAACATGGGCAGCTGTGAGAAGAGG
 CTCTGCCAAGAAAAGATCCACCAGTTCAGTCAAGTCAAGTGAATTCAGAGGGAGACAAGTCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219035 representing NM_001164519
 Red=Cloning site Green=Tags(s)

MMLAPKEDRLNANKNLIVLNPLTVTEEDVRPSLEKRLKLEAII SGAALLADSSCTRDLRHRERIIAECNAIRQ
 ALQDLLTEYMSNTGKTERSNTLNTAIVNMSKTRDLRRQLRKAIIDHISDSFLDTPVLLVLEAAKNGR
 VKEIKDYAAIFHEHTGRLVEVANLACSMSTNEDGIKIVRIAANHLETLCPIINAALALASRPKSQVKN
 TMEYKRTWEHYIHVLTEAVDDITSIDDFLAVSESHILEDVNKCI IALRDQDADNLDRAAGAIRGRAARV
 AHIVAGEMDSYEPGAYTEGVMRNVNFLTSTVIPEFVTQVNVLDALSKNSLTALDDNQFVDISKIYDTI
 HDIRCSVMVIRTPEELEDVSDLEDDHEVRSHTSIQTEGKTDRAKMTQLPEAEKEKIAEQVADFVKVSKL
 DAEIEIWDSTNDIIVLAKKMCMMEMTDFTRGKGPLKHTTDVIYAAKMISESGSRMDVLRQIANQCP
 DPPCKQDLLAYLEQIKFYSHQLKICSQVKAIEIQLGGELIVSALDSVTSLIQAANKLMNAVVTVMKSYI
 ASTKIIRIQSSAGPRHPVVMWRMKAPAKKPLIKREKPEETWAAVRRGSAKKKIHPVQVMSEFRGRQVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_001164519.1 , NP_001157991.1
RefSeq Size:	2840 bp
RefSeq ORF:	1887 bp
Locus ID:	216033
Cytogenetics:	10 B4- B5.1
MW:	70.9 kDa
Gene Summary:	May be involved in formation of stretch-resistant cell-cell adhesion complexes. [UniProtKB/Swiss-Prot Function]