

## Product datasheet for **MR217583**

### Ctnna3 (NM\_001164376) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnna3 (NM_001164376) 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:**

>MR217583 representing NM\_001164376  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGTCGGCAGAAACGCCAATAACCTGAATATGGACACTCAGGATCTGCAGATCCAAACGTTCACTGTGG  
 AGAAACTGCTGGAGCCTCTGATAATCCAGGTTACTACCCTGGTGAATTGTCCGCAGAATCCTTCCAACAG  
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 GACAAGGGGGAGATGATTGCTAAGGAAGCCACGGTTTTAAAGGAAGAGCTGGCAGCTGCACTCCAGGAAG  
 TTCGAAAAGAGAGCAAAGCTCTGAAGGTATCAGCTGAGAGATTTACAGACGACCCCTGTTACCTCCCGAA  
 AAGGGAGGCCGTGGTTCAAGCCGCCCGCCCTGTTGGCAGCAGTTACAAGACTCCTTGTCTTGCCGAC  
 ATGATTGATGTCATGTGCCTCTTGACGATGTGTATCTTTCAAAGAACATTGAGTCTCTCAAAAATG  
 TTTCCAACAAGTCCGACCTCCAGAGAACCTACCAGAAGCTCGGGAAGGAGCTGGAAGCCTGGATTATTT  
 GGCCTTCAAACGCCAGCAGGACCTAAAACTCCAAGCCAGAGGGATGAAATTGCAGGGGCCCGGCCACC  
 TTGAAGGAGAACTCCCCACTCTGCATTCTATTTGTTCCAGCATGCTTGAACATTCCGATGTTGCTTCGC  
 TCAAAGCCAGTAAGGACCCGTCTGTGAAGAGATCCAGAACGCTCTTGATGTAATTTCAAATGCTTCCCA  
 AGGCATCCAGAATGCGCCAGCGCCCCCTGAACCTCAGGCAGCAACTGGGAAGTCTTTTGATGAGCTG  
 GAGAACTTAATTGCTCTGAACCCACTCACAGTGACAGAGGAAGATGTAAGACCATCACTAGAGAAACGCC  
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 CAGAAGAAAATGAGGAGCTGTGAGAAGAGGCTCTGCAAGAAAAGATCCACCCAGTTCAGTTCATGAG  
 TGAATTCAGAGGGAGACAAGTCTAC

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217583 representing NM\_001164376  
 Red=Cloning site Green=Tags(s)

MSAETPITLNMDTQDLQIQFTTVEKLEPLIIQVTTLVNCPQNPSNRKKGRSKRARVLLASVEEATWNLL  
 DKGEMIAKEATVLKEELAAALQEVKESKALKVSAERFTDDPCYLPKREAVVQAARALLAAVTRLLVLAD  
 MIDVMCLLQHVSSFQRTFESLKNVSNKSDLQRTYQKLGKELESLDYLAFKRQDCLKSPSQRDEIAGARAT  
 LKENSPLLLHSICSACLEHSDVASLKASKDTCVCEEIQNALDVISNASQGIQONAPPEPQAATLGSADFEL  
 ENLIVLNPLTVTEEDVRPSLEKRLEAIIISGAALLADSSCTRDLHRERIIAECNAIRQALQDLLTEYMSNT  
 GKTERSNTLNTAIVNMSKTRDLRRQLRKAIDHISDSFLDTTVPLLVLIEAAKNGRVKEIKDYAAIFHE  
 HTGRLVEVANLACSMSTNEDGKIVRIAANHLETLPQIINAALALASRPKSQVVKNTMEMYKRTWEHYI  
 HVLTEAVDDITSIDDFLAVSESHILEDVNKCIIALRDQDADNLDRAAGAIRGRAARVAHIVAGEMDSYEP  
 GAYTEGVMRNVNFLTSTVIPEFVTQVNVLDALSKNSLTALDDNQFVDISKKIYDTIHDIRCSVMMIRTP  
 EEEEDVSDLEDDHEVRSHTSIQTEGKTDRAKMTQLPEAEKEKIAEQVADFVKVSKLDAEIEIWDDTSND  
 IIVLAKKMCMMEMTDFTRGKGPLKHTTDVIYAAKMISESGSRMDVLRQIANQCPDPCKQDLLAYLE  
 QIKFYSHQLKICSQVKAIEQNLGGELIVSALDSVTSLIQAAKNLMNAVQTVKMSYIASTKIIRIQSSAG  
 PRHPVVMWRMKAPAKKPLIKREKPEETWAAVRRGSAKKKIHPVQVMSEFRGRQVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

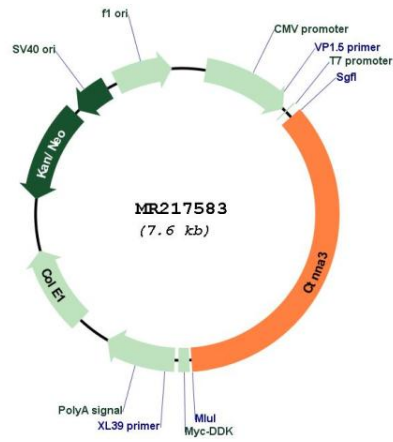
Cloning Scheme:



ACCN: NM\_001164376

<b>ORF Size:</b>	2685 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001164376.1</a> , <a href="#">NP_001157848.1</a>
<b>RefSeq Size:</b>	3681 bp
<b>RefSeq ORF:</b>	2688 bp
<b>Locus ID:</b>	216033
<b>UniProt ID:</b>	<a href="#">Q65CL1</a>
<b>Cytogenetics:</b>	10 B4- B5.1
<b>MW:</b>	100.3 kDa
<b>Gene Summary:</b>	May be involved in formation of stretch-resistant cell-cell adhesion complexes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217583