

Product datasheet for **MR219451**

Cntn4 (NM_173004) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntn4 (NM_173004) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cntn4
Synonyms:	9630050B05; Axcam; BIG-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR219451 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGTTGCCATGGAACTGCTAGTGCTGCAATCATTATGTTGTGCCTTGCGATGACTACACTGCG
ATGGCCAGTTTTTGTTCAGAACAAGTCATGTCATGTTTCCTTTGGATTCTGAGGAGAAAAAGTGAA
ACTCAGTTGTGAAGTTAAAGGGAATCCAAAACCTCACATCAGGTGGAAGTTAAATGGAACAGATGTTGAC
ATTGGTATGGATTTCCGCTACAGTGTGTTGTGACGGCAGCTTGTGATCAATAACCCCAATAAAACCCAAG
ATGCTGGAACGTACCAGTGCATAGCAACAACTCATTTGGAACAATTGTAAGCAGAGAAGCAAAGCTTCA
GTTTGCTATCTTGAAAACCTTAAAGACAAGAACAAGAAGCACTGTGTGAGTCCGTCGAGGTCAGGGAATG
GTCCTTCTGTGCGGCCGCCACCCATTCTGGAGAGCTGAGCTATGCCTGGATCTTCAATGAATACCCTT
CCTATCAGGATAACCGCCGCTTCGTTTCTCAAGAGACTGGGAATCTGTATATTGCCAAAGTGAAAAATC
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CCACTAATCCTGAGAAATGATGGGGTATGGGTGAATATGAGCCAAAATAGAAGTACAGTTCCAGAAA
CCGTCCCAGCTGAGAAAGGAACAACAGTCAAATGGAATGCTTTGCCTTAGGAAATCCAGTCCCAACTAT
TCTATGGCGAAGAGCTGATGGCAAGCCAATAGCAAGGAAAGCCAGAAGACATAAGTGAATGGAATCTG
GAAATTCCTCAATTTTTCAGCAGGAAGATGCCGGTTCATATGAATGTGTGGCTGAAAACCTCAGAGGCAAAA
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TAATGTGATTGGCATTGGGGAACCCAGCCGCCCTCAGAGAAACGGAGGACAGAAGAGGCTCAGAACACT
GGGGATCAGAGAGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219451 protein sequence
 Red=Cloning site Green=Tags(s)

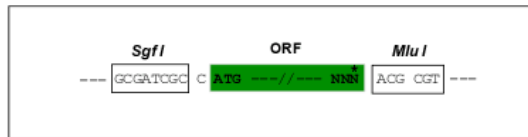
MRLPWELLVLQSFMLCLADDYTLHGPFVQEP SHVMFPLDSEKKVKLSCEVKG NPKPHIRWKLNGTDVD
 IGMDFRYSVVDGSL LINPNKTQDAGTYQCIATNSFGTIVSREAKLQFAYLENFKTRTRSTVSVRRGQGM
 VLLCGPPPHSGELSYAWIFNEYP SYQDNRRFVSQETGNLYIAKVEKSDVGN YTCVVTNTVTNHKVLGPPT
 PLILRNDGVMGEYEPKIEVQFPETVPAEKGT TVKLECFALGNPVPTILWRRADGKPIARKARRHKSNGIL
 EIPNFQQEDAGSYECVAENSRGKNVAKGQLTFYAQP NWWQIINDIHVAMEESVFWECKANGRPKPTYRWL
 KNGDPLLTRDRIQIEQGLNITIVNLSDAGMYQCVAENKHGVIFSSAELSVIAESPDFSRTLLKRVTLVK
 VGGEVVIECKPKASPRPVYTWKRGREILRENERITISEDGNLRIINVTKSDAGSYTCIATNHFGTASSTG
 NVVVKDPTKVMVPPSSMDVTVGESIVLPCQVTHD HSLDIVFTWTFNGHLIDFDKDGDFERVGGQDSAGD
 LMIRNIQLKHAGKYVCMVQTSVDKLSVAADLIVR GPPGPPEAVTIDEITDTTAQLSWRPGPDNHSPITMY
 VIQARTPFSVGWQAVNTVPDLVDGKTFATVVG LNPWVEYEFRTVAANVIGIGEPSRPSEKRRTTEEAQNT
 GDQRG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_173004

ORF Size: 2118 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_173004.1](#), [NM_173004.2](#), [NM_173004.3](#), [NP_766592.2](#)

RefSeq Size: 2931 bp

RefSeq ORF: 2118 bp

Locus ID: 269784

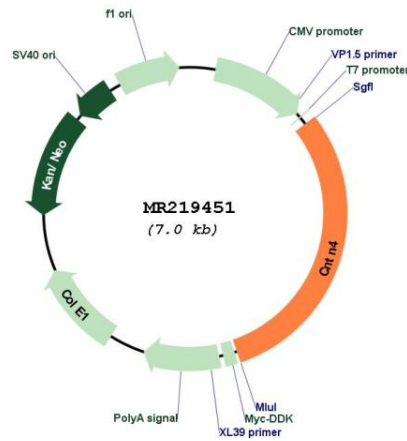
UniProt ID: [Q69Z26](#)

Cytogenetics: 6 E1

MW: 78.4 kDa

Gene Summary: Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity. May be involved in synaptogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219451