

## Product datasheet for **MR219453**

### **Cntn4 (NM\_001109751) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cntn4 (NM_001109751) 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:

>MR219453 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGGTTGCCATGGAACTGCTAGTGCTGCAATCATTATGTTGTGCCTTGCAGATGACTACACTGCT  
ATGGCCAGTTTTTGTTC AAGAACAAGTCATGTCATGTTTCCTTGGATTCTGAGGAGAAAAAGTGAA  
ACTCAGTTGTGAAGTTAAAGGGAATCCAAAACCTCACATCAGGTGGAAGTTAAATGGAACAGATGTTGAC  
ATTGGTATGGATTTCCGCTACAGTGTGTTGTGACGGCAGCTTGTGATCAATAACCCCAATAAAACCCAAG  
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GTTTGCTATCTTGAAACTTTAAGACAAGAACAAGAAGCACTGTGTGAGTCCGTCGAGGTCAGGGAATG  
GTCCTTCTGTGCGGCCGCCACCCATTCTGGAGAGCTGAGCTATGCCTGGATCTTCAATGAATACCCTT  
CCTATCAGGATAACCGCCGCTTCGTTTCTCAAGAGACTGGGAATCTGTATATTGCCAAAGTGAAAAATC  
TGATGTTGGTAATTACACCTGTGTAGTTACCAACTGTGACCAACCACAAGTCTGGGACCGCCACA  
CCACTAATCCTGAGAAATGATGGGGTATGGGTGAATATGAGCCAAAATAGAAGTACAGTTCCAGAAA  
CCGTCCC GGCTGAGAAAGGAACAACAGTCAAATGGAATGCTTTGCCTTAGGAAATCCAGTCCCAACTAT  
TCTATGGCGAAGAGCTGATGGCAAGCCAATAGCAAGGAAAGCCAGAAGACATAAGTGAATGGAATCTG  
GAAATCCCAATTTT CAGCAGGAAGATGCCGGTTCATATGAATGTGTGGCTGAAAACCTCAGAGGCAAAA  
ACGTAGCCAAGGGACAGTTGACTTTTTATGCTCAACCTAACTGGGTTCAAATAATAAATGATATCCACGT  
GGCCATGGAAGAGAGTGTCTTCTGGGAATGTAAGCAAATGGGAGGCCTAAACCTACCTACAGATGGCTA  
AAAAATGGTGACCACTGTTAACACGGGATAGAATACAAATCGAGCAAGGAACACTCAACATAACAATAG  
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AACTCTCTGTTGCTGCGACCTGATTGTAAGAGGTCTCCAGGTCTCCTGAGGCTGTGACCATAGATGA  
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GTTATCCAAGCTAGGACTCCATTCTCCGTGGGCTGGCAAGCAGTCAATACAGTTCAGATCTCGTCGACG  
GGAAGACATTCACAGCAACTGTGGTGGGTTTGAATCCTTGGGTTGAATATGAATCCGCACTGTTGCAGC  
TAATGTGATTGGCATTGGGGAACCCAGCCGGCCCTCAGAGAAACGGAGGACAGAAGAGGCTCAGAACACT  
GGGGATCAGAGAGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR219453 protein sequence  
 Red=Cloning site Green=Tags(s)

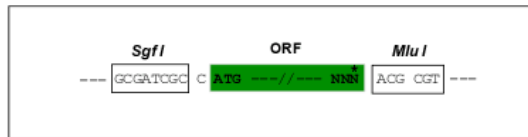
MRLPWELLVLQSFMLCLADDYTLHGPFVQEP SHVMFPLDSEEKVKLSCEVKG NPKPHIRWKLNGTDVD  
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 VLLCGPPPHSGELSYAWIFNEYP SYQDNRRFVSQETGNLYIAKVEKSDVGN YTCVVTNTVTNHKVLGPPT  
 PLILRNDGVMGEYEPKIEVQFPETVPAEKGT TVKLECFALGNPVPTILWRRADGKPIARKARRHKSNGIL  
 EIPNFQQEDAGSYECVAENSRGKNVAKGQLTFYAQP NWWQIINDIHVAMEESVFWECKANGRPKPTYRWL  
 KNGDPLLTRDRIQIEQGT L NITIVNLSDAGMYQCVAENKHGVIFSSAELSVIAESPDFSRTLLKRVTLVK  
 VGGEVVIECKPKASPRPVYTWKRGREILRENERITISEDGNLRIINVTKSDAGSYTCIATNHFGTASSTG  
 NVVVKDPTKVMVPPSSMDVTGESI V LPCQVTHDHS LDIVFTWTFNGHLIDFDKDGDFERVGGQDSAGD  
 LMIRNIQLKHAGKYVCMVQTSVDKLSVAADLIVRGP PGPPEAVTIDEITDTTAQLSWRPGPDNHSPITMY  
 VIQARTPFSVGWQAVNTVPDLVDGKTF TATVVGLNPWVEYEFRTVAANVIGIGEPSRPSEKRRT EEAQNT  
 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\_001109751

**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\\_001109751.1](#), [NP\\_001103221.1](#)

**RefSeq Size:** 3019 bp

**RefSeq ORF:** 2118 bp

**Locus ID:** 269784

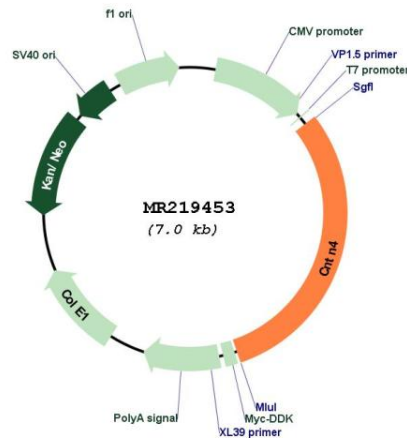
**UniProt ID:** [Q69Z26](#)

**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 MR219453