

Product datasheet for **MG219453**

Cntn4 (NM_001109751) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntn4 (NM_001109751) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cntn4
Synonyms:	9630050B05; Axcam; BIG-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219453 representing NM_001109751
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGTTGCCATGGAACTGCTAGTGCTGCAATCATTATGTTGTGCCTTGCGATGACTACACTGCT
 ATGGCCAGTTTTTGTCAAGAACAAGTCATGTCATGTTTCCTTTGGATTCTGAGGAGAAAAAGTGAA
 ACTCAGTTGTGAAGTTAAAGGGAATCCAAAACCTCACATCAGGTGGAAGTTAAATGGAACAGATGTTGAC
 ATTGGTATGGATTTCCGCTACAGTGTTGTTGACGGCAGCTTGTGATCAATAACCCCAATAAAACCCAAG
 ATGCTGGAACGTACCAGTGCATAGCAACAACTCATTTGGAACAATTGTAAGCAGAGAAGCAAAGCTTCA
 GTTTGCTTATCTTGAAAACCTTAAAGACAAGAACAAGAAGCACTGTGTGAGTCCGTCGAGGTCAGGGAATG
 GTCCTTCTGTGCGGCCGCCACCCATTCTGGAGAGCTGAGCTATGCCTGGATCTTCAATGAATACCCTT
 CCTATCAGGATAACCGCCGCTTCGTTTCTCAAGAGACTGGGAATCTGTATATTGCCAAAGTGAAAAATC
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 CCACTAATCCTGAGAAATGATGGGGTATGGGTGAATATGAGCCAAAATAGAAGTACAGTTCCAGAAA
 CCGTCCCAGCTGAGAAAGGAACAACAGTCAAACCTGGAATGCTTTGCCTTAGGAAATCCAGTCCCAACTAT
 TCTATGGCGAAGAGCTGATGGCAAGCCAATAGCAAGGAAAGCCAGAAGACATAAGTGAATGGAATCTG
 GAAATTCCTAATTTTTCAGCAGGAAGATGCCGGTTCATATGAATGTGTGGCTGAAAACCTCCAGAGGCAAAA
 ACGTAGCCAAGGGACAGTTGACTTTTTATGCTCAACCTAACTGGGTTCAAATAATAAATGATATCCACGT
 GGCCATGGAAGAGAGTGTCTTCTGGGAATGTAAGCAAATGGGAGGCCTAAACCTACCTACAGATGGCTA
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 GTTATCCAAGCTAGGACTCCATTCTCCGTGGGCTGGCAAGCAGTCAATACAGTTCAGATCTCGTCGACG
 GGAAGACATTCACAGCAACTGTGGTGGGTTTGAATCCTTGGGTTGAATATGAATTCGCAGCTGTTGCAGC
 TAATGTGATTGGCATTGGGGAACCCAGCCGGCCCTCAGAGAAACGGAGGACAGAAGAGGCTCAGAACACT
 GGGGATCAGAGAGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG219453 representing NM_001109751
 Red=Cloning site Green=Tags(s)

MRLPWELLVLQSFMLCLADDYTLHGPFVQEP SHVMFPLDSEKKVKLSCEVKG NPKPHIRWKLNGTDVD
 IGMDFRYSVVDGSL LINPNKTQDAGTYQCIATNSFGTIVSREAKLQFAYLENFKTRTRSTVSVRRGQGM
 VLLCGPPPHSGELSYAWIFNEYP SYQDNRRFVSQETGNLYIAKVEKSDVGN YTCVVTNTVTNHKVLGPPT
 PLILRNDGVMGEYEPKIEVQFPETVPAEKGTTVKLECFALGNPVPTILWRRADGKPIARKARRHKSNGIL
 EIPNFQQEDAGSYECVAENSRGKNVAKGQLTFYAQPNWVQIINDI HVAMEESVFWECKANGRPKPT YRWL
 KNGDPLLTRDRIQIEQGT LNITIVNLSDAGMYQCAENKHGVIFSSAELSVIAESPDFSRTLLKRVTLVK
 VGGEVVIECKPKASPRPVYTWKRGREILRENERITISEDGNLRIINVTKSDAGSYTCIATNHFGTASSTG
 NVVVKDPTKVMVPPSSMDVTGESI VLPQVTHDHSLDIVFTWTFNGHLIDFDKDGDFERVGGQDSAGD
 LMIRNIQLKHAGKYVCMVQTSVDKLSVAADLIVRGP PPEAVTIDEITDTTAQLSWRPGPDNHSPITMY
 VIQARTPFSVGWQAVNTVPDLVDGKTFTATVVGLNPWVEYEFRTVAANVIGIGEPSRPSEKRRT EEAQNT
 GDQRG

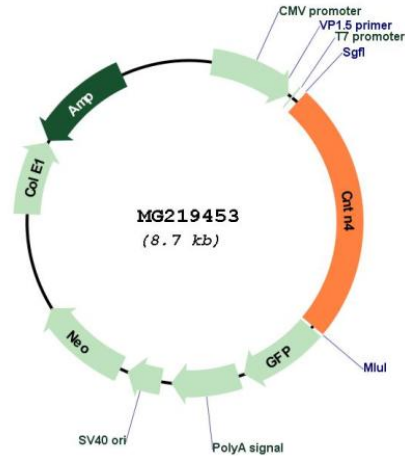
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001109751

ORF Size: 2115 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

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]