

Product datasheet for **MC223258**

Cntn4 (NM_001109749) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cntn4 (NM_001109749) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cntn4
Synonyms: 9630050B05; Axcam; BIG-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223258 representing NM_001109749
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGTTGCCATGGGAAGTCTAGTGCTGCAATCATTTCATGTTGTGCCTTGCAGATGACTACACTGC
ATGGCCAGTTTTTGTCAAGAACCAAGTCATGTCATGTTTCTTTGGATTCTGAGGAGAAAAAAGTGAA
ACTCAGTTGTGAAGTTAAAGGGAATCCAAAACCTCACATCAGGTGGAAGATAAATGGAACAGATGTTGAC
ATTGGTATGGATTCCGCTACAGTGTGTTGACGGCAGCTTGTGATCAATAACCCCAATAAAACCCAAG
ATGCTGGAACGTACCAAGTGCATAGCAACAACTCATTGGAACAATTGTAAGCAGAGAAGCAAAGCTTCA
GTTTGCTTATCTTGAAAACCTTAAAGACAAGAACAAGAAGCACTGTGTCAGTCCGTCGAGGTCCAGGAATG
GTCCTTCTGTGCGGCCGCCACCCCACTTCTGGAGAGCTGAGCTATGCCTGGATCTTCAATGAATACCCCTT
CCTATCAGGATAACCGCCGCTTCGTTTCTCAAGAGACTGGGAATCTGTATATTGCCAAAGTGAAAAATC
TGATGTTGGTAATTACACCTGTGTAGTTACCAACTGTGACCAACCACAAGGTCCTGGGACCGCCACA
CCACTAATCCTGAGAAATGATGGGGTATGGGTGAATATGAGCCAAAAAGAAAGTACAGTTTCCAGAAA
CCGTCCCGGTGAGAAAGGAACAACAGTCAAACCTGGAATGCTTTGCCTTAGGAAATCCAGTCCCAACTAT
TCTATGGCGAAGAGCTGATGGCAAGCCAATAGCAAGGAAAGCCAGAAGACATAAGTCGAATGGAATTCTG
GAAATTCCCAATTTTCAGCAGGAAGATGCCGGTTCATATGAATGTGTGGCTGAAAACCTCCAGAGGCAAAA
ACGTAGCCAAGGGACAGTTGACTTTTTATGCTCAACCTAACTGGGTTCAAATAATAAATGATATCCACGT
GGCCATGGAAGAGAGTGTCTTCTGGGAATGTAAGCAAATGGGAGGCTAAACCTACCTACAGATGGCTA
AAAAATGGTGACCCACTGTTAACACGGGATAGAATACAAATCGAGCAAGGAACACTCAACATAACAATAG
TGAATCTCTCAGATGCTGGCATGTACCAGTGTGTGGCAGAAAAAATACATGGAGTTATCTTTCCAGCGC
TGAGCTTAGTGAATAGCTGAAAGTCCAGATTTTCCCGAACCTCTAAAAAGAGTAACACTTGTCAA
GTGGGAGGTGAAGTTGTCATTGAGTGAAGCCAAAAGCATCCCCAAGACCTGTCTACACCTGGAGAAAGG
GAAGAGAAATATTAAGAGAAAATGAAAGAATTACCATTTCTGAAGATGGGAACCTCAGAATCATCAATGT
GACTAAATCTGATGCTGGAAGTTACACCTGCATAGCCACGAACCAATTTTGGAACTGCCAGCAGTACTGGG
AATGTGATTGTGAAAGACCCAACAAGGTGATGTTTCTCCTTCCAGCATGGATGTCAGTGTAGGAGAAA



GCATTGTTCTCCATGCCAGGTAACACATGATCACTCCCTGGACATTGTGTTTACGTGGACATTTAATGG
 ACACCTGATAGACTTTGACAAGGATGGAGACCCTTTGAAAGAGTTGGAGGGCAGGATTCAGCTGGTGT
 TTGATGATCCGAAACATCCAAGTGAAGCATGCTGGGAAGTATGTCTGCATGGTCCAAACAAGTGTAGACA
 AACTCTCTGTTGCTGCGGACCTGATTGTAAGAGGTCTCCAGGTCCTCTGAGGCTGTGACCATAGATGA
 AATCACAGACACCACTGCTCAGCTTTCTGGAGACCAGGACCTGACAACCACAGCCCCATCACCATGTAT
 GTTATCCAAGCTAGGACTCCATTCTCCGTGGGCTGGCAAGCAGTCAATACAGTTCAGATCTCGTCGACG
 GGAAGACATTCACAGCAACTGTGGTGGGTTGAATCCTTGGGTTGAATATGAATCCGCACTGTTGCAGC
 TAATGTGATTGGCATTGGGGAACCCAGCCGGCCCTCAGAGAAACGGAGGACAGAAGAGGCTCTCCCTGAA
 GTCACCCCGGCTAACGTCACTGGTGGTGGAGGACGAAATCTGAACTGGTTATAACCTGGGAGACAGTCC
 CTGAGGAATTACAGAATGGCAGAGGCTTTGGTTACGTGGTTGCCTCCGGCCACATGGCAAAATGATCTG
 GATGCTGACCGTCTGGCTTTCAGCTGATGCCTCCAGATACGTGTTGAGGAATGAGAGTGTGCGTCCATTC
 TCTCCCTTTGAGGTTAAAGTGGGTGTCTCAATAACAAAGGGGAAGGCCCTTTCAGTCCCACCACGCTGG
 TGTATTCTGCTGAAGAAGAACCACCAAGCCACCAGCCAGTATCTTGGCAGGAGTCTTCTGCCACGGA
 TATCGAAGTTTTCTGGGCTCCCTATTGAAAGAACAGAGGACGGATTCAAGGTTATGAGGTAATAAT
 TGGAGACATGATGACAAGGAAGAAAATGCTAAAAAGATACGAACAGTTGGAATCAGACATCCACAAAA
 TCACCAACTTGAAAGGAAGTGTCTGTATCACTTATCTGTCAAGGCGTATAACTCAGCTGGGACAGGACC
 CTCCAGTGCAACAGTCAATGTCACGACCAGAAAGCCACCACCAAGCCAACCCCTGGAAACATCATATGG
 AATTATCATCGACTCCAAAATTATCCTGAACTGGGATCAAGTGAAGGCCCTGGATAATGAGTCAGAAGTAA
 AAGGATACAAAGTCTTGTACAGATGGAACAGGCAAGCAGCACATCTGTCAATTGAAACCAACAAGACATC
 AGTGGAGCTTTCATTACCTTTTCGATGAAGATTACATCATAGAGATCAAGCCATTCAGTGTGAGGAGAT
 GGCAGCAGCAGTGAAGCAATCCGAATCCCAAAGATATCAAATTCATGCAAGAGGATCGGGGCTTCTA
 CCTCCAATGCGTGTACGCTGTACGCCATCAGTACAATAATGATTTCTCTCACAGCCAGGTCTAGTTTATG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001109749

Insert Size:

3081 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001109749.1, NP_001103219.1

RefSeq Size:

5262 bp

RefSeq ORF:

3081 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).