

Product datasheet for **MC220944**

Cntn4 (NM_001109751) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC220944 representing NM_001109751
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGTTGCCATGGAACTGCTAGTGCTGCAATCATTATGTTGTGCCTTGCGATGACTACACTGCTG
 ATGGCCAGTTTTTGTCAAGAACAAGTCATGTCATGTTTCCTTGGATTCTGAGGAGAAAAAGTGAA
 ACTCAGTTGTGAAGTTAAAGGGAATCCTCAAAACCTCACATCAGGTGGAAGATAAATGGAACAGATGTTGAC
 ATTGGTATGGATTTCCGCTACAGTGTGTTGTGACGGCAGCTTGTGATCAATAACCCCAATAAAACCCAAG
 ATGCTGGAACGTACCAGTGCATAGCAACAACTCATTGGAAACAATTGTAAGCAGAGAAGCAAAGCTTCA
 GTTTGCTTATCTGAAAACCTTAAAGACAAGAACAAGCACTGTGTGAGTCCGTCGAGGTCAGGGAATG
 GTCCTTCTGTGCGGCCGCCACCCATTCTGGAGAGCTGAGCTATGCCTGGATCTTCAATGAATACCCTT
 CCTATCAGGATAACCGCCGCTTCGTTTCTCAAGAGACTGGGAATCTGTATATTGCCAAAGTGAAAAATC
 TGATGTTGGTAATTACACCTGTGTAGTTACCAACTGTGACCAACCACAAGGCTCTGGGACCGCCACA
 CCACTAATCCTGAGAAATGATGGGGTATGGGTGAATATGAGCCAAAATAGAAGTACAGTTCCAGAAA
 CCGTCCCAGGCTGAGAAAGGAACAACAGTCAAACCTGGAATGCTTTGCCTTAGGAAATCCAGTCCCACTAT
 TCTATGGCGAAGAGCTGATGGCAAGCCAATAGCAAGGAAAGCCAGAAGACATAAGTGAATGGAATCTG
 GAAATTCCTCAATTTTCCAGCAGGAAGATGCCGGTTCATATGAATGTGTGGCTGAAAACCTCCAGAGGCAAAA
 ACGTAGCCAAGGGACAGTTGACTTTTTATGCTCAACCTAACTGGGTTCAAATAATAAATGATATCCACGT
 GGCCATGGAAGAGAGTGTCTTCTGGGAATGTAAGCAAATGGGAGGCCTAAACCTACCTACAGATGGCTA
 AAAAATGGTGACCACTGTTAACACGGGATAGAATACAAATCGAGCAAGGAACACTCAACATAACAATAG
 TGAATCTCTCAGATGCTGGCATGTACCAGTGTGTGGCAGAAAAAATAACATGGAGTTATCTTTCCAGCCG
 TGAGCTTAGTGTAATAGCTGAAAAGTCCAGATTTTCCCGAACACTCTTAAAAAGAGTAACACTTGTCAAA
 GTGGGAGGTGAAGTTGTCTTGTGAGTGCAAGCCAAAAGCATCCCCAAGACCTGTCTACACCTGGAGAAAGG
 GAAGAGAAATATTAAGAGAAAATGAAAGAATTACCATTCTGAAGATGGGAACCTCAGAATCATCAATGT
 GACTAAATCTGATGCTGGAAGTTACACCTGCATAGCCACGAACATTTTGGAACTGCCAGCAGTACTGGG
 AATGTGATTGTGAAAGACCCAACAAGGTGATGGTTCCTCCTCCAGCATGGATGCTACTGTAGGAGAAA
 GCATTGTTCTCCATGCCAGGTAACACATGATCACTCCCTGGACATTGTGTTACGTGGACATTTAATGG
 ACATTGATAGACTTTGACAAGGATGGAGACACTTTGAAAGAGTTGGAGGCAGGATTCAGCTGGTGTAT
 TTGATGATCCGAAACATCCAACGAAGCATGCTGGGAAGTATGTCTGCATGGTCCAAACAAGTGTAGACA
 AACTCTCTGTTGCTGCGACCTGATTGTAAGAGGTCTCCAGGTCTCCTGAGGCTGTGACCATAGATGA
 AATCACAGACACCACTGCTCAGCTTTCTTGGAGACCAGGACCTGCAACCCACAGCCCATCACCATGTAT
 GTTATCCAAGCTAGGACTCCATTCTCCGTGGGCTGGCAAGCAGTCAATACAGTTCAGATCTCGTCGACG
 GGAAGACATTCACAGCAACTGTGGTGGGTTTGAATCCTTGGGTTGAATATGAATTCGCCTGTTGCAGC
 TAATGTGATTGGCATTGGGGAACCCAGCCGGCCCTCAGAGAAACGGAGGACAGAAGAGGCTCAGAACACT
 GGGGATCAGAGAGGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001109751

Insert Size: 2118 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:	<ol style="list-style-type: none">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:	<u>NM_001109751.1, NP_001103221.1</u>
RefSeq Size:	3019 bp
RefSeq ORF:	2118 bp
Locus ID:	269784
UniProt ID:	<u>Q69Z26</u>
Cytogenetics:	6 E1
Gene Summary:	<p>Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity. May be involved in synaptogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3), also known as BIG-2A, uses alternate 5' and 3' exons, compared to variant 1. Variants 2 and 3 encode the same isoform (2), which has a shorter and distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.</p>