

Product datasheet for MC223306

Cntn2 (NM_177129) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cntn2 (NM_177129) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cntn2
Synonyms: a; D130012K04Rik; Ta; TAG; TAG-; TAG-1; TAG1; Tax
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223306 representing NM_177129
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGAGCACCGCCAGGAAAAGGGCAAGCTTGTCTGCTGCTGCTGCTGGCCACAATGGCTCTGGTCTCCT
 CTCCAGGATGGAGTTTTCCAGGGAACCCAGCTACCTTTGGACCCGTCTTTGAAGAGCAACCTGTTGG
 CCTGCTATCCCAGAGGAGTCTGCAGAGGATCAGGTGACACTGGCGTGCCGTGCCGAGCTAGCCCTCCA
 GCCACCTATAGGTGGAAGATGAACGGCAGAGAGATGAACCTGGAACCTGGTCCCGTACCAGCTGATGG
 GGGCAACCTGGTCATCATGAGTCCCACCAAAGCACAGGATGCTGGTGTCTACCAGTGCCTAGCCTCTAA
 CCCAGTAGGCACTGTCGTCAGCAAGGAAGCTGTCTCCGCTTCGGCTTTCTACAGGAATTCTCCAAGGAG
 GAGAGAGACCCCGTGAAAACCCACGAGGGCTGGGGGTGATGCTGCCCTGTAACCCACCTGCCACTACC
 CAGGTTTGTCTACCGCTGGCTCCTCAACGAGTTCCTCAACTTCATCCCAACGGATGGCGTCACTTCGT
 GTCCCAGACCACAGGGAACCTGTACATCGCCCGCACCAATGCCTCGGACCTGGGCAACTACTCTTGCTG
 GCTACCAGCCACCTGGACTTCTCCACCAAGAGCGTCTTCAGCAAATTCGCGCAGCTCAACCTGGCTGCTG
 AAGATCTCGACTTTTGTCCAGTATCAAAGCCCGTTCCTCCAGAGACGACGACTGGTTGGGCA
 GCAGGTCACCCTGGAGTGTCTTGCCTTTGGGAACCCGTTCCTCCAGGATCAAGTGGCGCAAAGTGGATGGT
 TCCTTGTCCCCTCAGTGGGACACAGCAGAGCCACCCTGCAGATCCCAGTGTTAGCTTTGAAGATGAGG
 GTACCTATGAATGTGAGGCAGAGAACTCCAAGGGCCGTGACACCGTCCAGGGACGCATCATTGTGCAAGC
 TCAGCCTGAGTGGCTAAAGGTGATCTCAGACACAGAAGCCGACATTGGTTCCAACCTACGTTGGGCTGT
 GCTGCGGCAGGCAAGCCTCGGCCATGGTGCCTGGCTGAGAAACGGGGAACCTCTGGCCTCCCAGAACC
 GGGTGGAGGTCTGGCTGGGACCTGCGATTCTCTAAGCTGAACCTGGAGGACTCCGGCATGTACCAGTG
 TGTGGCAGAAAACAAGCATGGCACCATCTATGCCAGTGTGAGCTGGCTGTACAAGCTCTGGCCCCAGAC
 TTCAGGCAGAACCCTGTGAGCGGCTGATCCCTGCAGCCGAGGGGGAGAGATCAGTATCCCGTCCAGC
 CCCGTGCCGCTCCAAAAGCTACAATACTGTGGAGCAAGGGTACTGAGATTCTGGGGAACAGTACCAGAGT
 GACTGTCACTTTGGACGGCACCTTGATTATCAGAAACATCAGTCGATCGGATGAAGGCAAATATACTGCT
 TTTGCTGAGAAGTTCATGGGCAAAGCCAACAGTACCGGGATCCTGTCTGTGCGAGATGCAACGAAGATCA



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CGCTAGCTCCTTCGAGTGCTGACATCAATGTGGGTGATAACCTGACCCTACAGTGCCACGCCTCGCATGA
 CCCCACTATGGACCTCACGTTACCTGGACCCTGGATGACTTCCCTGTTGACTTTGATAAGCCTGGAGGT
 CACTACCGGAGAGCCAGTGTGAAGGAGACCATTGGGGACCTGACTATCCTGAATGCCAGCTACGCCACG
 GAGGGACATACACATGCATGGCCAGACAGTGGTGGATGGTGCATCCAAGGAGGCCACAGTCTGGTCCG
 AGGTCCCCAGGTCTCTGGGGGTGTGGTGGTGGAGACATTGGAGACACTACTGTTAGCTTAGCTGG
 AGTCGTGGCTTTGACAATCACAGCCCCATTGCCAAGTACACCTGCAAGCGCGGACTCCACCCTCAGGGA
 AATGGAAGCAGGTTCCGACCAATCCTGTGAATATCGAGGGCAACGCGAAACTGCCAGGTCTGGGGCT
 CATGCCTTGGATGGACTATGAGTTTCGGGTTTCAGCTAGCAACATCTTGGGCACTGGGGAGCCAGCGGC
 CCTCCAGCAGAATCCGCACTAAGGAAGCAGTCCCTCTGTGGCACCATCTGGACTCAGTGGAGGGGAG
 GAGCCCTGGAGAGCTTACCATCAACTGGACTCCCATGTCACGAGAGTACCAGAATGGAGACGGCTTCGG
 CTACCTGTCTCCTCCGACGGCAAGGCAGCTCCAGTTGGCAGACGGCCGGGTGCCCGGCTGATACC
 CAGTACTTCGTCTACAGCAACGATAGCATCCATCCCTACACACCTTTGAGGTCAAGATCCGAAGCTACA
 ATCGCCGGGGGATGGGCCGAGAGCCTACTGCCATCGTGTACTCAGCAGGAAGAGCCCAAGGTGGC
 CCCTGCCAAGGTCTGGGCCAAGGGTTCCTCATCTCAGAGATGAACGTAAGCTGGGAGCCTGTGCTACAA
 GACATGAACGGCATCCTCTGGGATATGAGATTGCTACTGAAAAGCCGGGGACAAGAAGCTGCCGCTG
 ACCGAGTGAGGACGGCAGGGCTAGACTCCAGTGCCTGAGTCAACCGCCTGTACCCCAACACCAAGTACCA
 TGTAACTGTGAGGGCTACAACAGGGCTGGCACCGGACCAGCTAGCCCTTCAGCTGATGCCATGACCATG
 AAGCCCCACACGGCGACCTCCTGGCAACATCTCCTGGACTTTCTCAAGTTCAGCCTCAGCCTAAGT
 GGGACCTGTGGTTCTCTCCGAAATGAATCTACAGTCACTGGCTACAAGATGTTGTATCAGAATGACCT
 GCAGCCAACTCCTATGCTCCACCTACCAGCAAGAAGTGGATAGAAAATACCAGTACCTGAAGACATTGGT
 CACGCTCTGGTGCAGATTGCAACCACGGGGCTGGAGGGGATGGGATACCAGCCGAAGTCCACATTGTGA
 GAAATGGAGGCACCAGCATGATGGTGGAGAGCTCAGCCGTCGCCCTGCCATCTGGCCGGTGTCTC
 TGCATGGTTATACTGATGCTCGCCGGATGCCAGAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_177129

Insert Size:

3123 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_177129.5](#), [NP_796103.2](#)

RefSeq Size:

9535 bp

RefSeq ORF:

3123 bp

Locus ID: 21367

UniProt ID: [Q61330](#)

Cytogenetics: 1 E4

Gene Summary: This gene encodes a member of the contactin family of proteins, part of the immunoglobulin superfamily of cell adhesion molecules. The encoded glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein plays a role in the proliferation, migration, and axon guidance of neurons of the developing cerebellum. Mice lacking a functional copy of this gene exhibit epileptic seizures and elevated expression of A1 adenosine receptors. [provided by RefSeq, Sep 2016]