

Product datasheet for MC223574

Cntn5 (NM_001170787) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntn5 (NM_001170787) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cntn5
Synonyms:	6720426O10Rik; A830025P08Rik; Gm507; NB-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223574 representing NM_001170787 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTTCCTGTTGGAGACTCATTCTGTTCTGTCTGTCAACAGGTGGCTTTCAGATTACTCTGAAGCTC
TCTCTGGCCTTTCTACTTCATATGCTGCTTGTCTCAGAATTAAGAAGAGTTCAACCTCACCTTTGGTTC
CAAGTCCAGACCACGGTTCAGCAGTCTTCATTAGGTACCATCAGTGTTCCTCCACCAAGCTGGCGAGGG
GCAGCTCAGCAGTACCACTCCCCAGGCAACCTTTATCACTCCTCAGATGCCTTCAGACAAGATGAAAGTG
TGGATTATGGGCCAGTATTTGTGCAAGAACCTGATGATGTCATTTTCCAAGTATTCTGATGAAAAGAA
GGTAGCTCTAAATTGTGAAGTTCGTGGCAACCCATCTCCTAGTTACAGATGGCTTCGGAATGGAAGTGA
ATAGCTCTGGAGAGTGACTATCGCTACAGTCTGATAGACGGCACCTTCATCATCGCAATCCAAGTGAAC
TCAGGGATTCTGGCCTGTACCACTGCTTAGCCACCAACTCTTTTGGAAAGTATTCTTAGTCGAGAAGCCAC
TCTTCAGTTTGCCTATCTGGGAAATTTAGTGGCCGGACAAGAAGTGCAGTCTCAGTGGCGGAAGGCCAG
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TCCCTTCCTTTGTGGCAGAGGACAGCCGGCGGTTTCATATCCCAAGAGACAGGCAACCTTTATATTTCTAA
AGTGCAAAACATCCGATGTTGGCAGCTACATTTGTCTGGTGAAAAATGCTGTGACAAATGCTCGCGTGCTC
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TCCAGAGTGTGAATCAATCAGATGCTGGGATGTATCAGTGTGGCTGAGAATAAATATGGAGCTATTTA
TGCGAGTGTGAGCTGAAGATTAGCTTCGCCGCCCTCTTCGAACTGAATCAAGTGAAGAAATCCATA



ATTGTTACCAAAGACCGGGGAGTGCTCATAGAGTGCGAACCCAGGGATCTCAAAGCCAGCCATCTCCT
GGAGGAAGGGAGACAAGGCAGTGAGGGCGAATAAAGAATAGCTATTCTCCAGACGGAAGCCTGAGGAT
CCTAAACGCTTCTAAAGCAGATGAGGGGAAGTACATTTGCCAAGGGGTGAACATCTTCGGTTCTGCAGAG
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TTGGAGAGAGCATTGTCTCAACTGTAAGCTATCCACGACGCCAGTTTGGACGTCATTTCTACTGGAC
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TCTGCAGATTTAATGATCAGGAACATCCTTCTGATGCATGCTGGGAGATATGGCTGCAGGTACAGACCA
CAGCAGACAGTGTGTGATGAGGCAGAACTTCTTGTAGGGGTCCCCAGGGCCACCTGGAGTGGTCAT
AGTAGAGGAGATTACAGAAAGCAGCCACTCTCTCATGGAGTCCAGCAACTGACAACTAGCCCCATC
TCTTCTTACAACCTTCAGGCTCGCAGCCCTTCTCCCTGGGCTGGCAAACAGTGAAGACAGTCCCAGAAG
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GTTCCAAAGACGGCACCCAGCAACGTGAGTGGAAGAAGTGAAGAAGGCATGAGTTGGTCATTGCCTGGG
AGCCAGTATCAGAAGAGTTTCAGAATGGGAAGGCTTCGGCTACATAGTGGCATTAGACCTAATGGAAC
ACGTGGCTGGAAGGAGAAAATGGTTACGTCTTCGGAGGCGTCCAAGTTCATTTACCGAGATGAAAGTGTC
CCTCCTCTCACACCTTTGAGGTCAAAGTTGGTGTATAATAATAAAGGTGATGGGCCTTCAGCCAGA
TCGTAGTCATCTGTTAGCTGAGGGAGAACCCTGCTGCTCCCACTGACGTACAGCAACCAAGTGTGTC
AGTGTCAGAGATTTTGTGTATGGAACATGTTAAGGAGAGTCTTGAAGACCAGGGGTTTGAGATT
AGTTACTGGAAGATACCGAGCCAGAAGACTCCGTAGAAACAGTCCGAACCAGAGGGAATGAGTCATTCTG
TCATGTTGACGGGATTGGAAGGCAACACTCTATCACCTCACAGTCAGGGCTTACAATGGAGCCGGCTA
TGGGCCACCCAGCAGGGAAGCAAGCACCACCACAAAGAGGCACCCCTAGGGAGCCACCTGGCAACCTC
CGGTGGGAGCAGCAGGGCTCCCAAGTTTCCCTAGGCTGGGAGCCAGTCAGACCCCTAGCCAATGAGTCTG
AAGTCATGGGTTACAAGTTTTTTATAGGCAAGAGGGTCACAGCGAAGGTCAAGTTATTGAGACACAGAA
ACCTCAAGCTGTAGTGCCCTCTACCTGAGGCTGGAGTCTACATTATTGAAGTTTCGAGCGTACAGTGAGGA
GGAGATGGAACAGCTAGCTCCCAATCAGGGTTCCTTCATATTAGGTGGGAAAATCACAAGCGCTCAGT
CAACCCTGCACTCTCTCCAAGTGGTCTCAGTAACACTGCTCTGGCTTTGATGCTTCCTCCAGTTCT
CTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001170787

Insert Size: 3297 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001170787.1 , NP_001164258.1
RefSeq Size:	4270 bp
RefSeq ORF:	3297 bp
Locus ID:	244682
UniProt ID:	P68500
Cytogenetics:	9 A1
Gene Summary:	Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity in the cerebral cortical neurons but not in hippocampal neurons (By similarity). Involved in neuronal activity in the auditory system.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.