

## Product datasheet for MC223234

### Cntn3 (NM\_008779) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cntn3 (NM_008779) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cntn3
Synonyms:	Pang
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223234 representing NM_008779 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATGTTGTCATGGAACAGTTGATCCTGCTTTCATTTCATTGGCTGCCTGGCAGGTGAACCTCTTTTAC  
AAGGCCCTGTGTTTATCAAAGAGCCAGCAACAGTATTTCCCTGTTGATTGAGGACAAAAAATAAC  
ATTAATTTGTGAAGCAAGAGGCCAACCTTCACCTCATTACAGGTGCAGCTGAATGGCAGTGATATTGAT  
ACAAGTCTGGACCATCGTTACAACTGAATGGAGGAAATCTCATAGTTATTAACCCTAACAGAAATGGG  
ATACAGGAAGTTACCAGTGTTTTGCAACGAATTCTCTTGGAAACAATAGTGAGCAGAGAAGCCAAACTCCA  
GTTTGCCTATCTTGAAAATTTAAGACCAGGATGAGAAGCACTGTGTCGGTCCGTGAAGGCCAGGGAGTG  
GTGCTTCTCTGTGGACCCACCTCACTCAGGAGAACTGTCATATGCTTGGGTCTTCAATGAGTATCCAT  
CATTTGTTGAAGAAGACAGTCGACGATTTGTCTCTCAAGAGACAGGACACCTCTACATAGCTAAGGTGGA  
ACCATCTGATGTGGAAATTACACATGTGTGGTGACCAGCACGGTGACAAATACCAGAGTATTGGGCTCC  
CCAACCCCTTTGGTGCTACGCTCTGATGGTGCATGGTGAATATGAACCCAAAAATAGAAGTCCAGTTTC  
CAGAGACTCTCCAGCAGCTAAAGGTTCACTGTGAGGTTGAAATGCTTCGCCCTGGGAAACCCTGTTCC  
TCAGATTAATTGGAGAAGAAGTGATGGGATGCCGTTTCCAACAAAAATTAAGTTGAGGAAGTTCAATGGT  
ATGCTGGAAATCAAACTTCCAACAGGAAGATACAGGCTCCTATGAGTGTATTGCTGAAAATTCACGAG  
GAAAAATGTGGCGAGAGGGCGGCTCACTACTATGCAAAACCTTATTGGCTTCACTCTTAAGAGATGT  
GGAAATGCTGTGGAGGACAGCTTTATTGGGAATGCCGGCAAGTGGGAAGCCTAAACCCTCTTATCGA  
TGGCTGAAAAATGGAGATGCCTTAGTACTAGAGGAGAGAATACAGATAGAAAATGGTGCCTTACAATAA  
CCAACCTCAATGTGACTGACTCTGGAATGTTCCAATGTATAGCAGAAAACAAGCATGGTCTCATCTACTC  
CAGTGCTGAGCTCAAGGTAGTAGCTTCTGCTCCAGATTTTCAAGAAACCCTATGAAAAAATGGTCCAG  
GTGCAGGTGGCAGCCTGGTGATCCTGGATTGTAACCCAGAGCCTCTCCAAGGGCACTTCTTTCTGGA  
AGAAGGGAGACATGATGGTGCAGGAGCAGGCAAGGGTTCTTTTTAAATGATGGAGACTCAAAATCAT  
GAATGTGACTAAGGCAGACGCTGGAACCTACACCTGCACAGCAGAAAACAGTTTGGGAAAGCAAAATGGC  
ACAACCCACTTGGTTGTGACAGAACCTACGAGAATAATTTTGGCACCTTCAAACATGGACGTTGCTGTTG



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GTGAGAGCGTCATTTTACCCTGCCAGGTTCAACATGATCCCCTATTAGACATAATGTTTGCCTGGTATTT  
 CAATGGAGCCCTTACAGACTTTAAGAAAGATGGATCTCACTTTGAGAAAGTTGGTGGGAGTTCATCTGGT  
 GATTTAATGATCAGAAACATTCAATTGAAACACAGTGGGAAGTACGTATGTATGGTGCAGACAGGGGTGG  
 ACAGTGTTCCTCTGCAGCTGAGCTCATCGTGAGAGGTTACCTGGGCCACCGGAAAATGTGAAGGTAGA  
 TGAATATCAGACACAACAGCCCAGCTCTCTGGACGGAAGGCACGGACAGTCAAGCCAGTTATATCG  
 TATGCAGTCCAAGCTAGGACGCCCTTCTCTGTGGGCTGGCAAAGTGTGAGAACAGTACCTGAGGTCATTG  
 ATGGCAAGACACATACAGCTACTGTCGTGGAGTTAAACCCATGGGTGGAATATGAATTTTCGATTGTAGC  
 CAGTAACAAAATCGGAGGTGGAGAACCAGTTTACCCTCAGAAAAAGTAAGGACTGAAGAGGCAGCTCCA  
 GAAATCGCACCTTCTGAGGTCAGCGGAGGAGGTGGAAGCCGATCTGAACTAGTGATAACCTGGGATCCAG  
 TCCCTGAAGAACTACAGAATGGAGGAGTTTTGGGTATGTGGTTGCTTTCCGCCACTTGGGGTTACCAC  
 CTGGATCCAGACAGTGGTGACATCCCCAGATAACCCAAGATACGTCTTTAGGAATGAAAGCATTGTGCC  
 TTTTCGCCATATGAAGTTAAAGTGGGAGTTTACAATAACAAGGTGAAGGACCCTTTAGCCAGTGACAA  
 CTGTGTTCTCTGCAGAGGAAGAGCCTACAGTTGCCCATCTCACATCTCTGCCATAGCCTGTCTTCTCT  
 AGAAATGAAGTTTCTTGAATACAATTCCTGGAAGTTGAGCAATGGACATTTACTGGGCTATGAGGTG  
 CGGTACTGGAACAATGGAGGAGAAGAATCATCCCGAAAGTGAAGTGGCAGGAAATCAGACATCAG  
 CTGTGCTCCGAGGCTGAAGAGCAACCTGGCCTATTACACAGCTGTCCGGCTTACAACAGCGCAGGCGC  
 TGGTCCCTTCAGCGCCACAGTTAATGCGACCACCAAGAAAACCCCTCCAGTCAGCCACCAGGAAATGTT  
 GTTTGGAATGCTACAGACACTAAAGTGCTACTTAATTGGGAACAAGTGAAGCCATGGAGAATGAATCAG  
 AAGTAACAGGCTACAAGTTTTCTATAGGACTAGCAGTCAGAATAATGTGCACGTGCTGAACACAAATAA  
 AACTTCAGCTGAACTGTTGCTGCCTATCAAAGAAGACTACATTATTGAGGTCAAGGCCACCACAGATGGA  
 GGGGATGGCACCAGTAGTGAGCAGATCAGGATTCCAAGAATAACCAAGTATGGATGCAAGAGGATCCACGT  
 CAGCCATTTCTAACATCCACCCTTGTGAGGTTATATGTCTGTCTACTGTTCTTTATTGTAATGCTTT  
 GTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_008779

**Insert Size:**

3087 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\_008779.2, NP\_032805.2

**RefSeq Size:**

5183 bp

**RefSeq ORF:**

3087 bp

Locus ID: 18488

UniProt ID: [Q07409](#)

Cytogenetics: 6 47.52 cM

Gene Summary: Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity (By similarity).[UniProtKB/Swiss-Prot Function]