

## Product datasheet for **SC310003**

### Contactin 1 (CNTN1) (NM\_001843) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Contactin 1 (CNTN1) (NM_001843) Human Untagged Clone
Tag:	Tag Free
Symbol:	Contactin 1
Synonyms:	F3; GP135; MYPCN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001843 edited  
 ATGTGGTTGCTGGTCAGTCATCTTGTGATAATATCTATTACTCTGTTTAGCAGAGTTT  
 ACATGGTATAGAAGATATGGTCATGGAGTTTCTGAGGAAGACAAAGGATTTGGACCAATT  
 TTTGAAGAGCAGCCAATCAATACCAATTTATCCAGAGGAATCACTGGAAGGAAAAGTCTCA  
 CCAACTGTAGGGCACGAGCCAGCCCTTTCCCGTTTTACAAATGGAGAATGAATAATGGG  
 GACGTTGATCTCACAAGTGATCGATACAGTATGGTAGGAGGAAACCTTGTATCAACAAC  
 CCTGACAAACAGAAAGATGCTGGAATATACTACTGTTTAGCATCTAATAACTACGGGATG  
 GTCAGAAGCACTGAAGCAACCCTGAGCTTTGGATATCTTGATCCTTTCCACCTGAGGAA  
 CGTCTGAGGTCAGAGTAAAAGAAGGGAAAGGAATGGTGCTTCTCTGTGACCCCCATAC  
 CATTTCAGATGATCTTAGCTATCGCTGGCTTCTAAATGAATTTCTGTATTTATCACA  
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 GCTTCCGACAAAGCAATTATTCCTGCTTTGTTCCAGTCTTCTATTACAAAGAGCGTG  
 TTCAGCAAATTCATCCCCTCATTCCAATACCTGAACGAACAACAAAACCATATCCTGCT  
 GATATTGTAGTTCAGTTC AAGGATGATATGCATTGATGGGCCAAAATGTGACCTTAGAA  
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 GAAGATGAAGGCATCTATGAATGTGAGGCTGAGAACATTAGAGGAAAGGATAAACATCAA  
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 AATGCTGAGTTGAAGATCTTGGCGTTGGCTCCAACCTTTTGAATGAATCCTATGAAGAAA  
 AAGATCCTGGCTGCTAAAGGTGGAAGGGTGATAATTGAATGCAAACCTAAAGCTGCACCG  
 AAACCAAAGTTTTTCATGGAGTAAAGGGACAGAGTGGCTTGTCAATAGCAGCAGAATACTC  
 ATTTGGGAAGATGGTAGCTTGGAAATCAATAACATTACAAGGAATGATGGAGGTATCTAT  
 ACATGCTTTGCAGAAAATAACAGAGGGAAAGCTAATAGCACTGGAACCTTGTATCACA  
 GATCCTACGCAATTATATTGGCCCAATTAATGCCGATATCACAGTTGGAGAAAACGCC



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ACCATGCAGTGTGCTGCGTCCTTTGATCCTGCCTTGGATCTCACATTTGTTTGGTCCTTC
AATGGCTATGTGATCGATTTTAACAAAGAGAATATTTACTACCAGAGGAATTTTATGCTG
GATTCCAATGGGGAACTACTAATCCGAAATGCGCAGCTGAAACATGCTGGAAAGATACACA
TGCACTGCCAGACAATTGTGGACAATCTTCAGCTTCAGCTGACCTTGTAGTGAGAGGC
CCTCCAGGCCCTCCAGGTGGTCTGAGAATAGAAGACATTAGAGCCACTTCTGTGGCACTT
ACTTGGAGCCGTGGTTCCAGACAATCATAGTCCTATTTCTAAATACACTATCCAGACCAAG
ACTATTTCTTTCCAGATGACTGAAAAGATGCAAAGACAGATCCCCCAATTATTGAAGGAAAT
ATGGAGGCAGCAAGAGCAGTGGACTTAATCCCATGGATGGAGTATGAATCCGCGTGGTA
GCAACCAATACACTGGGTAGAGGAGAGCCAGTATACCATCTAACAGAATTAACACAGAC
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TCTGAGATATCTGTTTATTGGGAACATGTTTTAGAAAAAATAGTGAAAGCTATCAGATT
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ATCACCTGGGATCATGTGCTTGCCTATCAATGAATCTACAGTGACGGGATATAAGGTA
CTCTACAGACCTGATGGCCAGCATGATGGCAAGCTGTATTCAACTCACAACACTCCATA
GAAGTCCAATCCCAGAGATGGAGAATACGTTGTGGAGGTTCCGCGCCACAGTATGGA
GGAGATGGAGTGGTGTCTCAAGTCAAAATTTTCAGGTGCACCCACCTATCCCCAAGTCTT
CTCGGCTTACTGCTGCCTTGGCATCCTTGTCTACTTGGAAATCTGA

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- Restriction Sites:** NotI-NotI
- ACCN:** NM\_001843
- Insert Size:** 6000 bp
- OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.
- The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
- OTI Annotation:** The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
- 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\\_001843.2](#), [NP\\_001834.2](#)

**RefSeq Size:** 3427 bp

**RefSeq ORF:** 3057 bp

**Locus ID:** 1272

**UniProt ID:** [Q12860](#)

**Cytogenetics:** 12q12

**Domains:** ig, IGc2, IG, FN3

**Protein Pathways:** Cell adhesion molecules (CAMs)

**Gene Summary:** The protein encoded by this gene is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]  
Transcript Variant: This variant (1) is the longest transcript and encodes the longest isoform (1).