

Product datasheet for **SC310010**

Contactin 1 (CNTN1) (NM_175038) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Contactin 1 (CNTN1) (NM_175038) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNTN1
Synonyms:	F3; GP135; MYPCN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310010 representing NM_175038.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_175038
Insert Size:	3024 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_175038.2
RefSeq Size:	5480 bp
RefSeq ORF:	3024 bp
Locus ID:	1272
UniProt ID:	Q12860
Cytogenetics:	12q12
Protein Pathways:	Cell adhesion molecules (CAMs)
MW:	111.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame coding exon, compared to variant 1. The resulting isoform (2) lacks an internal segment in the N-terminal region, compared to isoform 1.</p>