

Product datasheet for **SC329865**

CNTN4 (NM_001206956) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNTN4 (NM_001206956) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNTN4
Synonyms:	AXCAM; BIG-2
Vector:	pCMV6-Entry (PS100001)

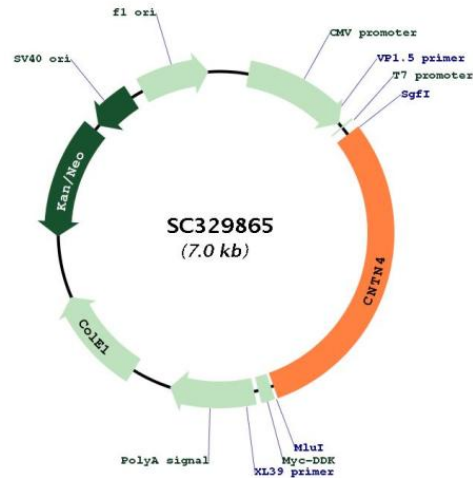


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Fully Sequenced ORF: >SC329865 representing NM_001206956.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAAGAAAATGCTTTTTGGGAATGTAAAGCAAATGGAAGGCCTAAGCCTACATACAAGTGGCTAAAA
AATGGCGAACCTCTGCTAACTCGGGATAGAATTCAAATTGAGCAAGGAACACTCAACATAACAATAGTG
AACCTCTCAGATGCTGGCATGTATCAGTGTTTGGCAGAGAATAAACATGGAGTTATCTTTTCCAACGCA
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GGGAGAGGATCTGGGCTTCCACTTCAATGCATGTACGCTGTCAGCCATCAGTACAATAATGATTTCC
CTCACAGCTAGGTCCAGTTATGA
```

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001206956

Insert Size: 2094 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_001206956.1](#)

RefSeq Size: 3942 bp

RefSeq ORF: 2094 bp

Locus ID: 152330

UniProt ID: [Q8IWW2](#)

Cytogenetics: 3p26.3-p26.2

Protein Families: Secreted Protein

MW: 76.5 kDa

Gene Summary:

This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of this gene may play a role in 3p deletion syndrome and autism spectrum disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011]

Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, uses a downstream in-frame start codon, and uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (d) is shorter at the N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.