

Product datasheet for RC214706

Contactin 1 (CNTN1) (NM_001843) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Contactin 1 (CNTN1) (NM_001843) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Contactin 1
Synonyms:	F3; GP135; MYPCN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214706 representing NM_001843 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCCGATCGCC

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC214706 representing NM_001843
Red=Cloning site Green=Tags(s)

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MKMWLLVSHLVIIISITTLAEFTWYRRYGHGVSEEDKGFPIFEEQPINTIYPEESLEGKVLNCRARAS
PFPVYKWRMNGDVDLTSDRYSVMVGNLVINNDPKQKQDAGIYYCLASNNYGMVRSTEATLSFGYLDPFPP
EERPEVRVKEGKGMVLLCDPPYHFPDDLRYRLLNEFPVFIITMDKRRFVSQTNGNLYIANVEASDKGNYS
CFVSSPSITKSVFSKFIPLIPIPERTTKPYPADIVVQFKDVYALMGQNVTLFCFALGNPVPDIRWRKYLE
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KKKILAAKGRVIEECKPKAAPKPKFSWSKGTEWLVNSSRILIWEDGSLEINNI TRNDGGIYTCFAENNR
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6168_c10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001843

ORF Size: 3054 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 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: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001843.4](#)

RefSeq Size: 3427 bp

RefSeq ORF: 3057 bp

Locus ID: 1272

UniProt ID: [Q12860](#)

Cytogenetics: 12q12

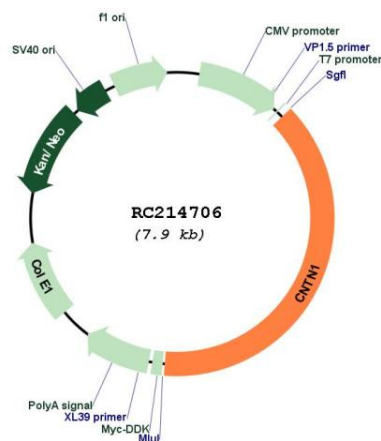
Domains: ig, IGc2, IG, FN3

Protein Pathways: Cell adhesion molecules (CAMs)

MW: 113.32 kDa

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]

Product images:



Circular map for RC214706