*h*Contactin-4 VersaClone cDNA

Catalog Number: RDC2454

Specifications:

Gene:	*h*CNTN4
Accession:	NP_783200
Insert size:	3094bp
Concentration:	10µg at 0.2µg/µL

*h*Contactin-4 cDNA Plasmid

CNTN4 contactin 4 [*Homo sapiens* (human)]

Also known as: AXCAM; BIG-2

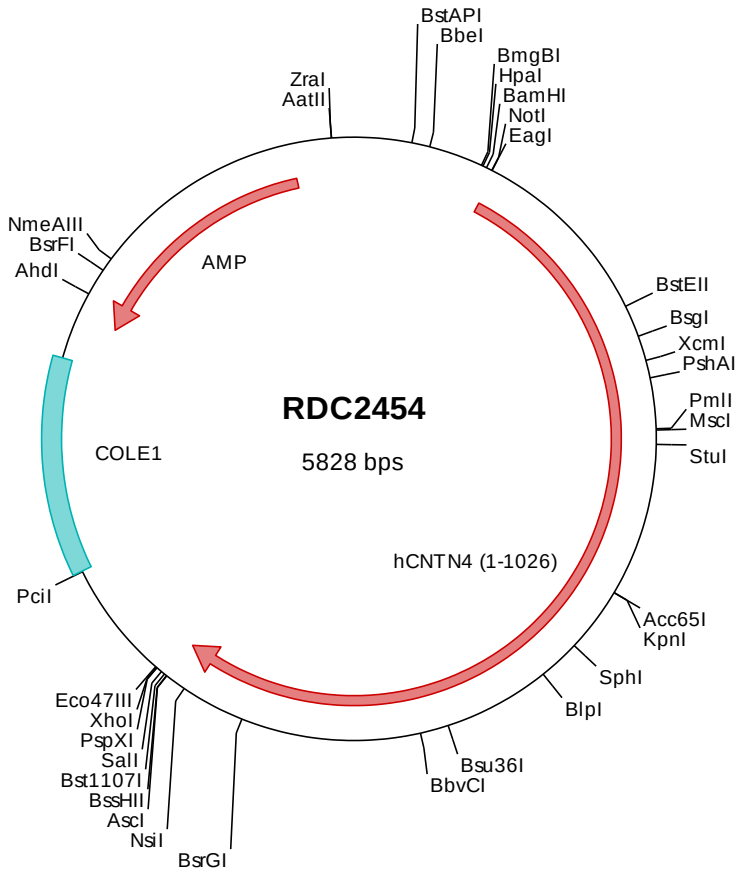
Summary:
CNTN4 is a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. CNTN4 is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of CNTN4 may play a role in 3p deletion syndrome and autism spectrum disorders. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

5/9/2018 Rev.0

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> RDC2454 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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 601  gaagttaaag gaaatccaaa acctcatatc aggtggaagt taaatggaac agatgttgac actggtatgg atttccgcta cagtgttgtt gaagggagct
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 801  gtttgcttat cttgacaact ttaaaacaag aacaagaagc actgtgtctg tccgtcgagg tcaaggaatg gtgctactgt gtggcccgcc accccattct
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1001  tagaaaaatc agatgttggg aattatacct gtgtggttac caataccgtg acaaaccaca aggtcctggg gccacctaca ccactaatat tgagaaatga
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1701  tcttgtcaaa gtgggaggtg aagttgtcat tgagtgtaag ccaaaagcgt ctccaaaacc tgtttacacc tggaagaaag gaagggatat attaaaagaa
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1901  gaactgctag cagtactgga aacttggtag tgaaagatcc aacaagggta atggtacccc cttccagtat ggatgtcact gttggagaga gtattgtttt
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2301  gagacccggg cctgacaacc acagccccat caccatgtat gtcattcaag ccaggactcc attctccgtg ggctggcaag cagtcagtac agtcccagaa
2401  ctcattgatg ggaagacatt cacagcgacc gtggtgggtt tgaacccttg ggttgaatat gaattccgca cagttgcagc caacgtgatt gggattgggg
2501  agcccagccg cccctcagag aaacggagaa cagaagaagc tctccccgaa gtcacaccag cgaatgtcag tggtggcgga ggcagcaaat ctgaactggt
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2701  gtgctggcct cagctgacgc ctctagatac gtgttcagga atgagagcgt gcacccttc tctcctttg aggttaaagt aggtgtcttc aacaacaaag
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> RDC2454 Translated Insert Sequence

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 301  rgknvargql tfyaqpnwiq kindihvame envfweckan grpkptykwl kngeplltrd riqieqgtln itivnlsdag myqclaenkh gvifsnaels
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