*m*Contactin-4 VersaClone cDNA

Catalog Number: RDC3054

Specifications:

Gene:	*m*Cntn4
Accession:	NP_001103219.1
Insert size:	3094bp
Concentration:	10µg at 0.2µg/µL

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

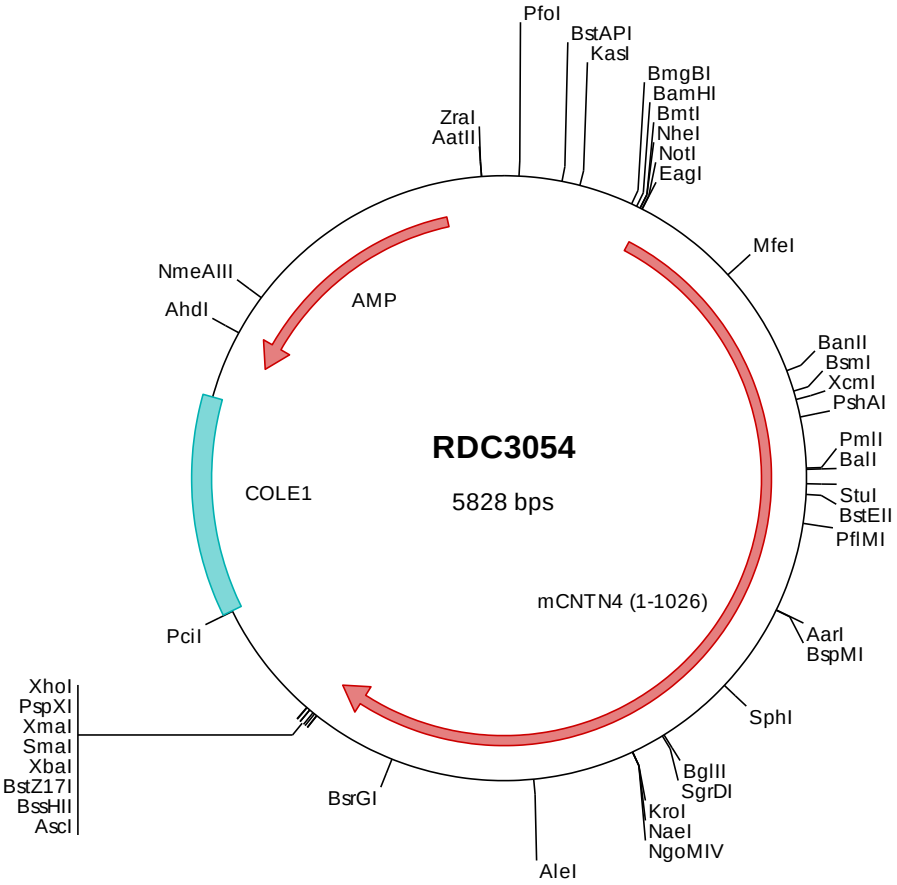
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*Contactin-4 cDNA Plasmid

Cntn4 contactin 4 [*Mus musculus* (house mouse)]

Also known as: Axcam; BIG-2; 9630050B05

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3054 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 ggaatccaaa acctcacatc aggtggaaga taaatggaac agatgttgac attggtatgg atttccgcta cagtgttgtt gacggcagct
 701  tgttgatcaa taaccccaat aaaacccaag atgctggaac gtaccagtgc atagcaacaa actcatttgg aacaattgta agcagagaag caaagcttca
 801  gtttgcttat cttgaaaact ttaagacaag aacaagaagc actgtgtcag tccgtcgagg tcagggaatg gtccttctgt gcggcccgcc accccattct
 901  ggagagctga gctatgcctg gatcttcaat gaatacgctt cctatcagga taaccgccgc ttcgtttctc aagagactgg gaatctgtat attgccaaag
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1701  acttgtcaaa gtgggaggtg aagttgtcat tgagtgcaag ccaaaagcat ccccaagacc tgtctacacc tggagaaagg gaagagaaat attaagagaa
1801  aatgaaagaa ttaccatttc tgaagatggg aacctcagaa tcatcaatgt gactaaatct gatgctggaa gttacacctg catagccacg aaccattttg
1901  gaactgccag cagtactggg aatgtgattg tgaaagaccc aacaaaggtg atggttcctc cttccagcat ggatgtcact gtaggagaaa gcattgttct
2001  tccatgccag gtaacacatg atcactccct ggacattgtg tttacgtgga catttaatgg acacttgata gactttgaca aggatggaga ccactttgaa
2101  agagttggag ggcaggattc agctggtgat ttgatgatcc gaaacatcca actgaagcat gctgggaagt atgtctgcat ggtccaaaca agtgtagaca
2201  aactctctgt tgctgcggac ctgattgtaa gaggtcctcc aggtcctcct gaggctgtga ccatagatga aatcacagac accactgctc agctttcttg
2301  gagaccagga cctgacaacc acagccccat caccatgtat gttatccaag ctaggactcc attctccgtg ggctggcaag cagtcaatac agttccagat
2401  ctcgtcgacg ggaagacatt cacagcaact gtggtgggtt tgaatccttg ggttgaatat gaattccgca ctgttgcagc taatgtgatt ggcattgggg
2501  aacccagccg gccctcagag aaacggagga cagaagaggc tctccctgaa gtcaccccgg ctaacgtcag tggtggtgga ggcagcaaat ctgaactggt
2601  tataacctgg gagacagtcc ctgaggaatt acagaatggc agaggctttg gttacgtggt tgccttccgg ccacatggca aaatgatctg gatgctgacc
2701  gtgctggctt cagctgatgc ctccagatac gtgttcagga atgagagtgt gcgtccattc tctccctttg aggttaaagt gggtgtcttc aataacaaag
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3701  tgagtgagct aactcacatt aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg
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> RDC3054 Translated Insert Sequence

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 301  rgknvakgql tfyaqpnwvq iindihvame esvfweckan grpkptyrwl kngdplltrd riqieqgtln itivnlsdag myqcvaenkh gvifssaels
 401  viaespdfsr tllkrvtlvk vggevvieck pkasprpvyt wrkgreilre neritisedg nlriinvtks dagsytciat nhfgtasstg nvivkdptkv
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 601  eavtideitd ttaqlswrpg pdnhspitmy viqartpfsv gwqavntvpd lvdgktftat vvglnpwvey efrtvaanvi gigepsrpse krrteealpe
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