

Specifications:

Gene:	mCntn2
Accession:	NP_796103.2
Insert size:	3136bp
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.

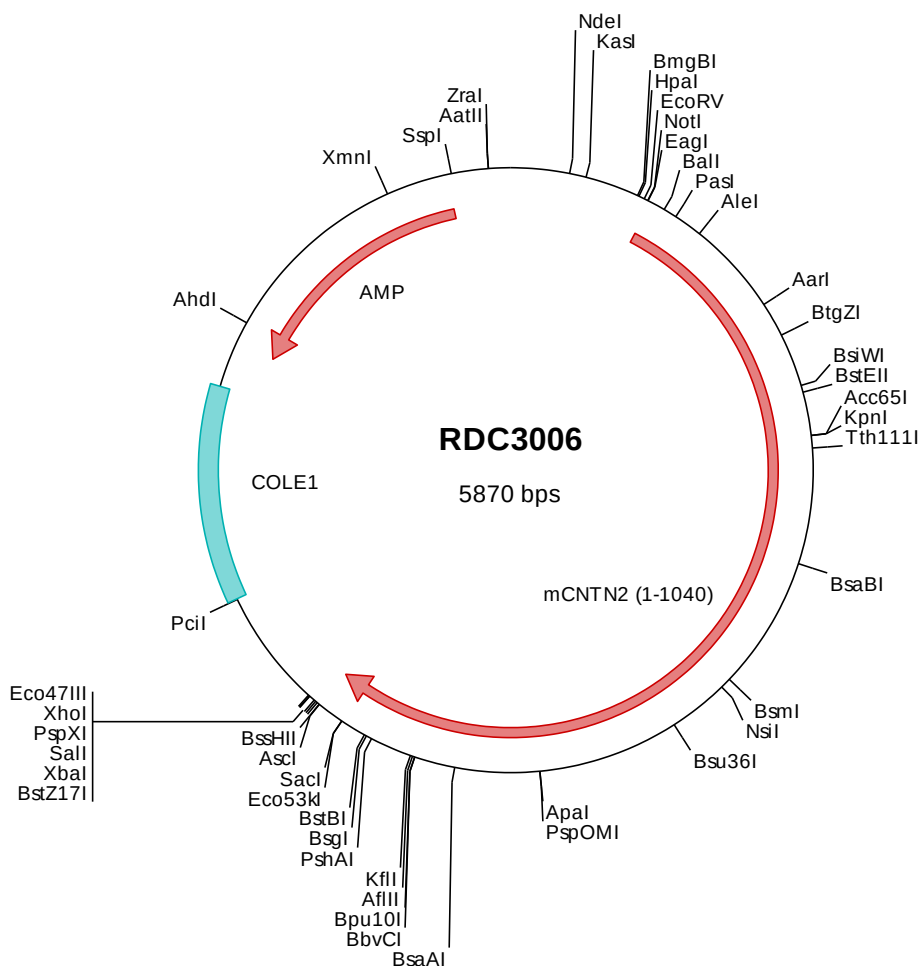
mContactin-2/TAG1 cDNA Plasmid

Cntn2 contactin 2 [*Mus musculus* (house mouse)]

Also known as: Tax; TAG1; TAG-1; D130012K04Rik

Summary:

CNTN2 is a member of the contactin family of proteins, part of the immunoglobulin superfamily of cell adhesion molecules. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that plays a role in the proliferation, migration, and axon guidance of neurons of the developing cerebellum. A mutation in CNTN2 may be associated with adult myoclonic epilepsy.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3006 Plasmid DNA Sequence

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1   tcgcgcgcttt cgggtgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtcg accatattgc gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgcccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta agcccgagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaaat
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccggcacc atgggagcac cggccaggaa ttgtgtctgc tgctgtctgc
501  cacaatggct ctggtctctc ctccaggatg gagtttttcc cagggaaccc cagctacott tggaccocctc tttgaagagc aacctgttgg cctgctatcc
601  ccagaggagt ctgcagagga tcaggtgaca ctggcggtgcc gtgcccagac tagccctcca gccacctata ggtggaagat gaacggcaca gagatgaacc
701  tggaaacctg ttccctgcac cagctcgatgg ggggcaacct ggtcatcatg agtcccacca aagcacagga tgctgtgtgc taccagtgcc tagccctata
801  ccagtaggc actgtctgca gcaaggaaagc tgtcctccgc ttcggctttc tacaggaatt ctccaaggag gagagagacc cctgtaaaac ccacgagggc
901  tgggggggtga tctgcccctg taaccacact gccactatcc caggtttgtc ctacgcgtgg ctctcaacg agttccccca cttcatccca acggatgggg
1001  gtcaacttct gtcccagacc acagggaacc tgtacatcgc ccgacacaa gcttcggacc tgggcaacta ctcttgccct cttctgacct acttgacct
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1201  acgtacgcac tggttgggca cgcagctcacc ctggagtgct ttgcttttgg gaacctgtgt cccaggatca agtggcgcaa agtggaaggt tccctgtccc
1301  ctgagtgagg cagacgctgc ccacactcgc agatccctag tgccttttct gaacctaggt gtacctacga atgtgaggca agtgaggtga agggcctga
1401  caccgtccag ggaagcaca tttgtcaagc tcagcctgag tggctaaagg tgatctcaga cactgaagcc gacatttggt ccaacttaac tttgggctgt
1501  tctgcggcag gcaagcctgc gcccatgggt cgtgtgtgta gaaacgggga acctctggcc tcccagaacc ggttgagggt tttggctggg gacctgcgat
1601  gcttaacctg gaactcgagc gactccggca tgttcagcat tgtggcagaa aacaagctga gaccactcta gctcagtgct tgccagtgtc taccactcta
1701  ggccccagac ttcaggcaga acctgtgtag cggcgtgato cctgcagccc gagggggaga gatcagttat cctgtcccag cccgtgcccc tccaaagct
1801  acaactactg ggagcaaggc taactagatt ctggggaaca caccagagt gaactgtcact ttggacggca ccttgattat cagaacatca agtcgatcgg
1901  atgaaggcaa atatactgc ttctgtgaga acttactggg ctatcactgg tgtggcagaa gacagctgct tctgtctgt gcgagatgca agtgagatca accgtctcc
2001  tctgagtgct gacatcaatg ttgggtgataa cctgacctta cagtgcacag cctgcagatg ccccactatg gacctoactg tcaactggac cctggatgag
2101  ttccctgttg actttgataa gccctggaggt cactaccgga gagccactgt gaaggagacc attggggacc tgaactactt gaatgcccag gactgcccac
2201  gagggagaca cactatcatg gccacagacg ttgtggatgt tgcctcagag gaggccacag tccctgtccg aggtccccca ggtcctccct ggggtgtggt
2301  ggtgagagac attgagagca ctactgttca gcttagctgg agtgcgtggt ttgacaatca cagccccatt gccaaagtaca ccttgcaagg cgggactcca
2401  cctcaggga aatggaagca ggttcggacc aatcctgtga atatcgaggg caacgcggaa actgcccagg tgctgggggt cgtcccttgg atggaactatg
2501  agtttgcgtg ttcagctagc aacatcttgg gcaactgggg cccctcagca cctccacaga gaatccgcac taaggaaagca gtccctctgt tgccaccatc
2601  ttgactcagt ggagggggag gaccocctgg agagcttacc atcaacttga cctccatgtc acagagatga cagaatggag acggtctcgg ctactctgtc
2701  tctctccgca ggcaaggcag ctccacttgg cagacggccc ggttgcccgg cgtgtatacc cgtacttctg tctacagcaa cgtatgactc cactccatac
2801  cacccttga ggttaagatc cgaagtaca atcgccgggg ggttcggccc gagagcctca ctgcatcgtg gtactcagca gaggaagagc ccaaggtggc
2901  cctgcacag gtctggccca aggttctctc atctccagag atcgaaagta gctgggaagc tgtgtacaaa gacatgaagc gcatcctcct gggatgatag
3001  attcgtactg ggaaagccgg gtaacaaaga cgtccgctcg atgaactgag gacggcaggg gacggcaggg gctagccctt cagctgatgc catgaccatg
3101  ccaagtacca gtaactgtg agggcctaca acacggctgg caccgggacc gctagccctt ggttctctct cgaatgaat acggtctcgg ctactctgtc
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3501  ccgcctgtcc catcctggcc cgggtgttctc tagcttggcg taatcatggt ccatagctgt tctctgttga aattgttatc cgtcacaact tccacacaac
3601  caccgggaga attcctcgag cgtcgtctctc tagcttggcg taatcatggt aatgagttag ctaactcaca ttaattgctg tgcgtcact gcccgcttcc cagtccggaa
3701  atacgagccg gaagcataaa gtgtaaagcc tggggtgcct aatgagttag ggtttgcgta tttccatagc cctccgctcc ttcgctcact cgcctcactg
3801  acctgtctgt ccagctgcac taatgaatcg gccaacgcgc ggggagaggg ggtttgcgta tttccatagc cctccgctcc ttcgctcact cgcctcactg
3901  ctccgtctgt cggctgcggc gaggcgtatc agctcactca aagcgcttaa tacggttatc ctaactcaca ttaattgctg tgcgtcact gcccgcttcc cagtccggaa
4001  aaaggccagc aaaaggccag gaaccgtaaa aaggcccgct tgctggcggt tttccatagc cctccgctcc ttcgctcact cgcctcactg cgcctcactg
4101  ctgagaggtg gcgaaacccc acaggactat aagataacca ggcgttctcc cctggaagct ctaactcaca ttaattgctg tgcgtcact gcccgcttcc cagtccggaa
4201  atacctgtcc gcttttctcc cttcgggaag cgttgcgctt tatccggtta ctaactcaca ttaattgctg tgcgtcact gcccgcttcc cagtccggaa
4301  tgtgtgcacg aacccccctg tcagcccgac cgttgcgctt tatccggtta ctaactcaca ttaattgctg tgcgtcact gcccgcttcc cagtccggaa
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5501  ctctcaagga tcttaccgct gttgagatcc agttcgatgt aacccactcg atgccttctc atgccttctc agatgtatc tggcccgagt tggagaatag taagatagtg
5601  gagcaaaaac aggaagycaa aatgccgcaa aaaaagggat aaggggcaga cggaaatgtg aaataaaca tcatcagag cctcttctct
5701  tsatcaggtt tatgtctca tgagcggata tcatattgaa tgaattttaga tcatcagag cctcttctct ccccttctct
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> RDC3006 Translated Insert Sequence

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201  asdlgnyscl atshldfstk tvsfkfaqln laaedprlfa psikarfpe tyalvgqgvt lecfafnpvr prikrkvdg slspqwgtae ptlqipsvsf
301  edegtyecea enskgrdtvq griivqaqpe wlkvisdtea digsnlrgwc aaagkprpmv rwlrnglepla sqnrvevlag dlrfskinle dsgmyqcva
401  nkhtiyasa elavqalapl frqnpvrrli paarggeisi pcqpraapka tiilwskgtei lgnstrvtvt ldgtliirni srsdegkytc faenfmkan
501  stgilsvrda tkitlapssa dinvgdnltl qchashdptm dltftwtldd fpvdfdkpvg hyrrasvket lrhggtytcm agtvvdgask qvfyvsn
601  eatvlvrppp gppggvvvrd igdttvqlsw srgfdnhspi akyltqartp psqkwkvrt npvniegnae taqvlglmpw mdyefrvsai hpytpfevki
701  pssrirtkea vsvvapsgls ggggagpgelt inwtpmsrey qngdgfyll sfrqgsssw qtarvpagat qyfyvsn
801  tsatcaggtt vvakgvapak mnvswepvlq dmngillgye irywkagdkc aadrvrtag ldssarvtgl hptkyhvtv hpnkyhvtv
901  aspsadamtm kppprpppgn iswtfsssl slkwdpvvpvl rnestvtgyk mlyqndlqpt pmlhltsknw ieipvpedig halvqirttg pggdipaev
1001  hivrngtstm mvessavrpa hpgpvfscmv ilmlagcql

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