

Specifications:

Gene:	mCrtac1
Accession:	NP_660105
Insert size:	1953bp
Concentration:	10µg at 0.2µg/µL

mCRTAC1B cDNA Plasmid

Crtac1 cartilage acidic protein 1 [*Mus musculus* (house mouse)]

Also known as: Lotus; Crtac1B; AW047536; 2810454P21Rik

Summary:

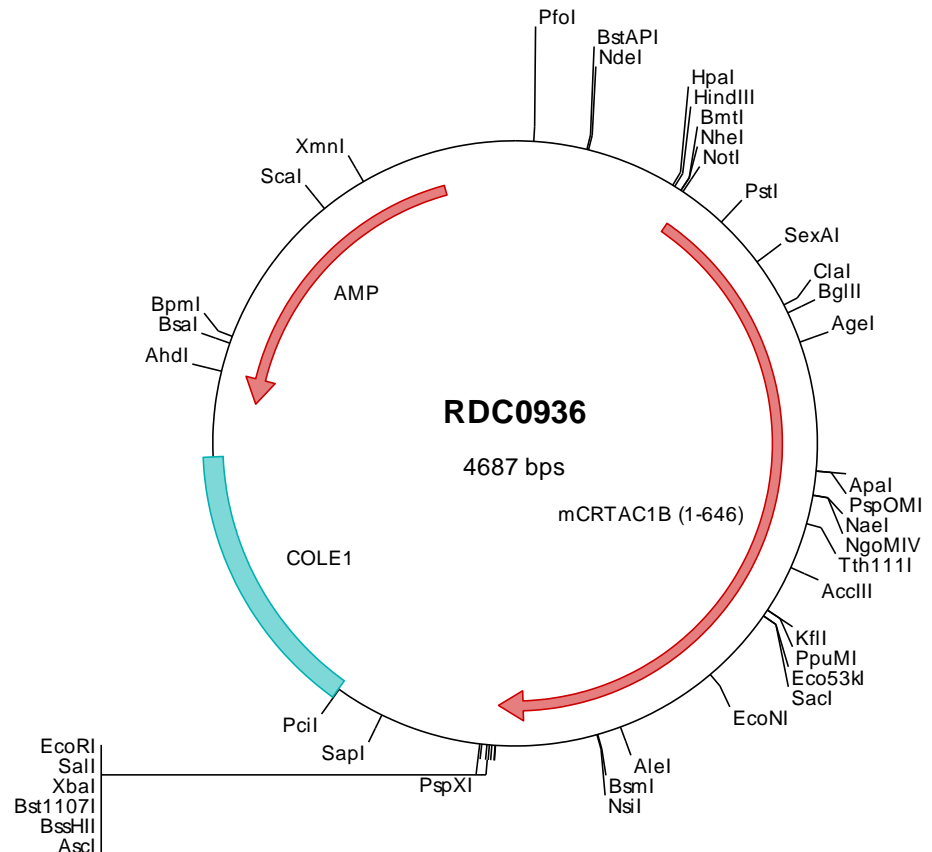
CRTAC1B is an alternatively spliced isoform of cartilage acidic protein 1 (CRTAC1). It has a substituted C-terminal region with a potential transmembrane segment. CRTAC1B is a glycosylated extracellular matrix protein that is expressed in select regions of the brain on neuronal growth cones and neurite shafts. An integrin-binding RGD motif is present in the human protein but absent in the mouse and rat proteins. CRTAC1B plays an important role in axonal bundling and formation of the lateral olfactory tract.

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



> RDC0936 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcattc caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgcccgggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggaatccgata tccgtagcgc ggccgccacc atggctccga gcgctgaccc ggcataggtc aggatggctt tgcctctgct
501 gccgcccctg ttgctcttgc ctctcaactg gggatcccag agggctgagc ccaatgttoac tgcagtoacc aactcagtoe tgcccctga ctatgacagc
601 aaccccacc agctcaacta tggagtggca gtgacagatg tggaccatga tggggacttc gagatcgttg tggcgggta caccggcccc aactgggttc
701 tgaagtacaa tcgagccocag aatoggtctg tgaatattgc ggtggacgag cgcagctcac cctactatgc totgagggac cgtcagggga accccatcgg
801 ggtcacagcc tgtgacatcg atggggacgg ccgtgaggag atctactttc tcaacaccaa taacgccttc tcaggtgtgg caacatacac agacaagttg
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2501 tcacaattcc acacaacata cgagccggaa gcataaagtg taaagcttg ggtgcctaact gagtgagcta actcacatta attgctgttc gctcactgcc
2601 cctctttccag tcgggaaacc tgtctgctca tgaatcgccc aacgcgggg gagagcggt ttgcgtattg ggcctctctc cgttctctcg cctctctccg
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3501 gcaaaaactca cgttaaggga ttttggctat gagattatca aaaaggtat ccaactatag tcttttaaat taaaaatgaa gtttttaaat aatctaaagt
3601 atatatgagt aaacttggct tgacagttac caatgcttaa tcaagttagc acctatctca gcgatctgtc tattctgctt atccataggt gctcactcc
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> RDC0936 Translated Insert Sequence

1 mapsadpgmv rmallllppl wllpltggsq raepmfatv nsvlppdyds nptqlnygva vtdvdhdgdf eivvaytgp nlvklrynraq nrlvniavde
101 rsspypyalrd rqqnaigvta cdidgdgree iyflntnaf svvatytdkl fkfrnrwed ilsddvnr gvaslfagrs vacvdrtgsg rysiyanaya
201 ygdvpgdali emdpeasdl rglalrdva aeagvskyta grgsvgpil sssasdifcd nengpnflfh nqngtfdvt aasagvddph qhgrgvalad
301 fnrdgkvdiv ygnwnpghrl ylqmsahgkv rfrdiaskf stpspvtvi aadfdndqel evffnniayr sssanrlfrv irrehgdpli eelnpgdale
401 pegrgtggvv tdfddgmlld lilshgesma qplsvfrngq gfsnnwlrsv prtrfgafar gakvvlytkk sgahlriidg gsgylcemep vahfglgrde
501 assvevtpd gkmvrsvas eemnsvlleil ypqdedklqn taplecggqf sqqndghcmd tneicqfpfv cprdkpvcvn tygsyrctrn krcnrgyepn
601 edgtacvaqv aflggyssaa frlseplsqa sylslglglc lqlyal