

Specifications:

Gene:	rCntfr
Accession:	NP_001003929
Insert size:	1132bp
Concentration:	10 μ g at 0.2 μ g/ μ L

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

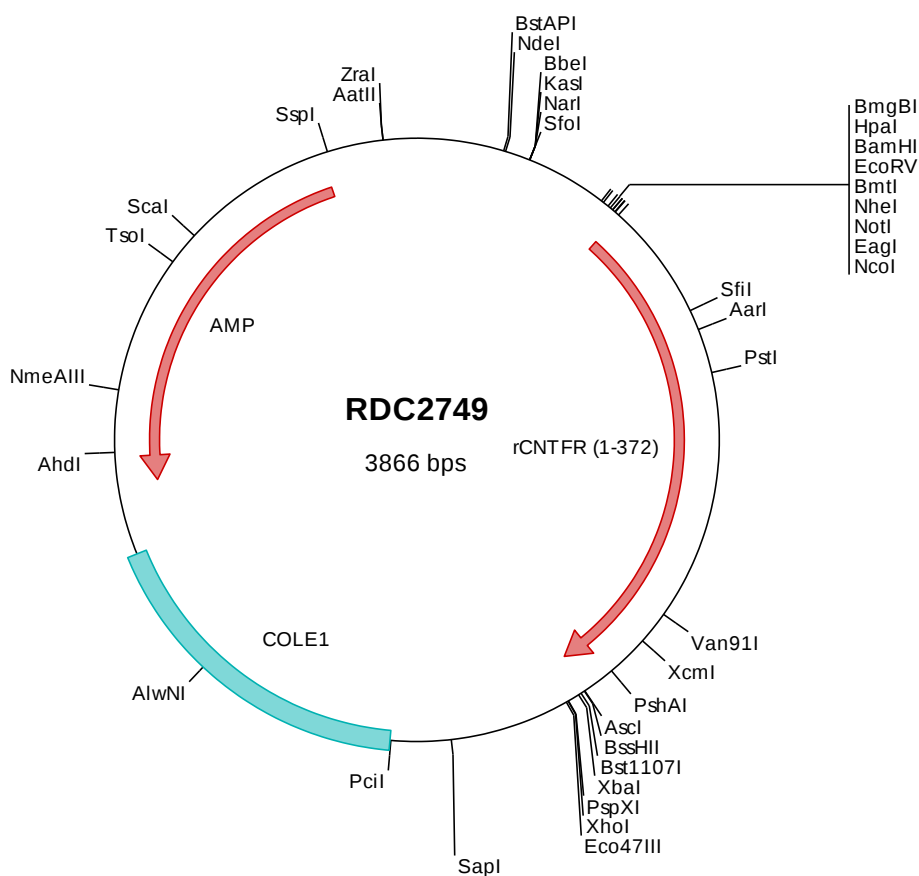
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**rCNTFR α cDNA
Plasmid**

Cntfr ciliary neurotrophic factor receptor [*Rattus norvegicus* (Norway rat)]

Summary:

CNTFR is a member of the type 1 cytokine receptor family. CNTFR is the ligand-specific component of a tripartite receptor for ciliary neurotrophic factor, which plays a critical role in neuronal cell survival, differentiation and gene expression. Binding of ciliary neurotrophic factor to CNTFR recruits the transmembrane components of the receptor, gp130 and leukemia inhibitory factor receptor, facilitating signal transduction.



> RDC2749 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggcgccg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgtcg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacac atgggtgctt ctgtcccgtg ggcctgctgt gctgtgcttg ccgctgcgcg
501  tgccgctgtc tacaccaga aacacagtc acaggaggca ccccatgttc agtatgagcg tctgggcaca gatgtgacgc tgccatgttg gacagcaagt
601  tgggacgcag ctgtgacctg gagggtaaat ggaacagatc tgccccctga cctgtctaat ggctctcago tgatactacg aagcttagaa ctggggccaca
701  gtggcctgta tgccctgttc caacgtgact cctggcacct gcgcacacaa gtccttctgc atgtgggttt gccgcctcgg gaacccgtgc tcagctgcgc
801  ttccaacact tacccaagg gcttctactg cagctggcac ctgtccgccc ccacctacat ccccaatacc ttcaatgtga ctgtactgca tggtccaaa
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2001 gccagcaaaa ggccagggaac cgtaaaaaag ccgcgttgct ggcggttttc catagggctcc gccccctga cgagcatcac aaaaatcgac gctcaagta
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> RDC2749 Translated Insert Sequence

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1   maasvpwacc avlaaaaaav ytkhspqea phvqyerlgt dvtlpcgtas wdaavtwrvn gtdlapdlln gsqliirslc lghsglyacf hrdswhlrhq
101  vllhvgllppr epvlscrnt ypkgyfycsw lsaptyipnt fnvtvlhsgk mmvcekdpal knrchiryhm lfstikykvx isvsnalghn ttaitfdeft
201  ivkpdppenv varpvpsnpr rlevtwqtgs twdpesfpl kfflryrpli ldqwhvels ngtahtitda yagkeyiiqv aakdneigtw sdwsvaahat
301  pwteeprhlt teaqapett sttsslapp ttkicdpgel ssgggsipf ltsvpvtlvl aaaaatanni li

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