

Specifications:

Gene:	<i>h</i> NRN1
Accession:	NP_057672
Insert size:	442bp
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.

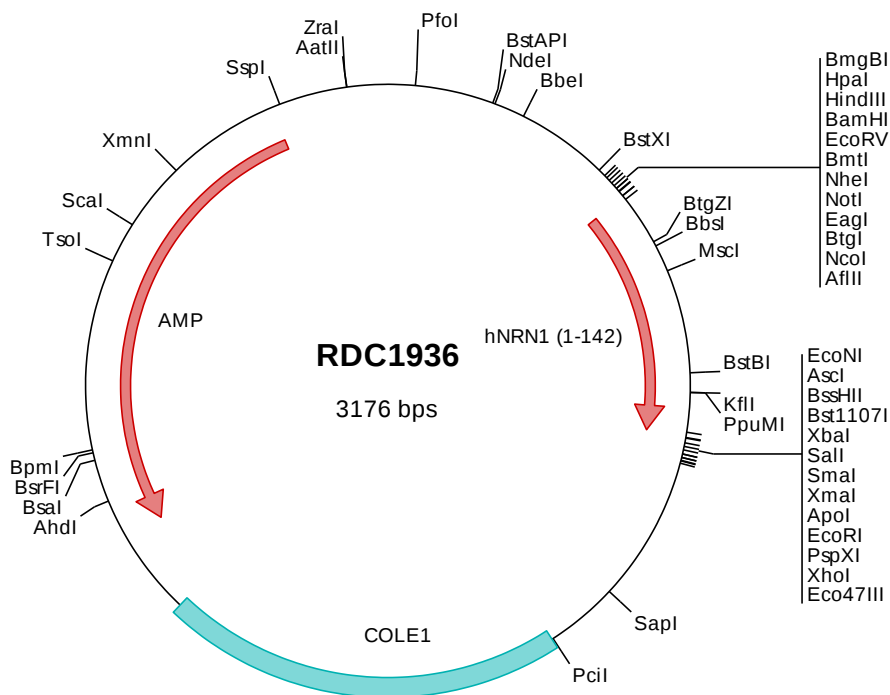
*h*Neuritin cDNA Plasmid

NRN1 neuritin 1 [*Homo sapiens* (human)]

Also known as: NRN; dJ380B8.2

Summary:

NRN1 is a member of the neuritin family, and is expressed in postmitotic-differentiating neurons of the developmental nervous system and neuronal structures associated with plasticity in the adult. The expression of NRN1 can be induced by neural activity and neurotrophins. NRN1 promotes neurite outgrowth and arborization, suggesting its role in promoting neuritogenesis. Overexpression of NRN1 may be associated with astrocytoma progression. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1936 Plasmid DNA Sequence

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1   tcgcgcgctt  cggatgatgac  ggtgaaaaac  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
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> RDC1936 Translated Insert Sequence

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101  lniqgsllfel  csgsngaags  llpafpvllv  slsaaatwll  sf

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