

Specifications:

Gene:	<i>h</i> NGRN
Accession:	NP_001028260
Insert size:	889bp
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.

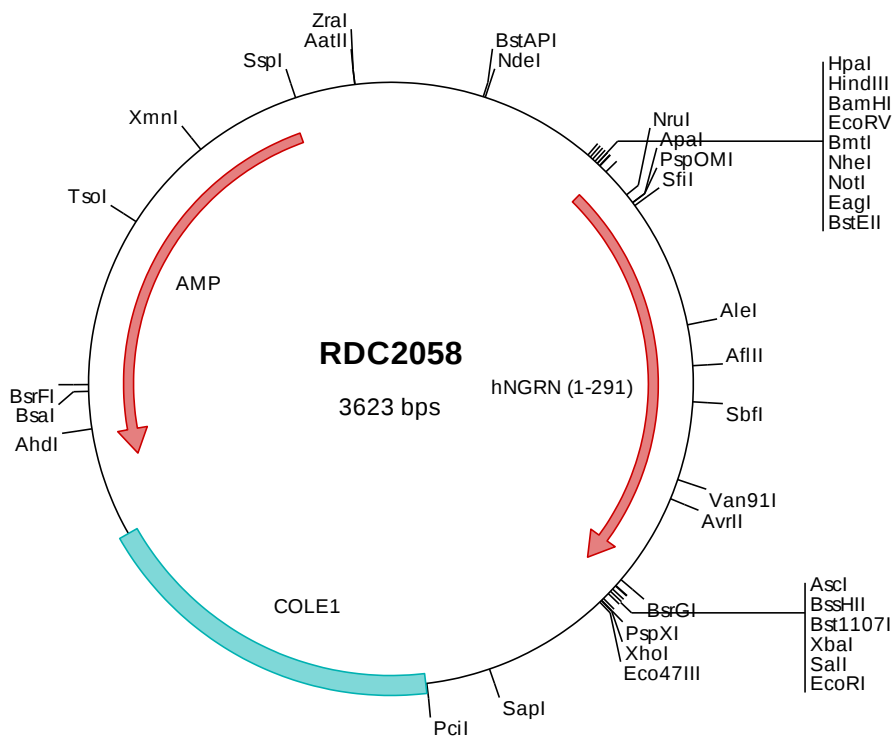
*h*Neugrin/NGRN cDNA Plasmid

NGRN neugrin, neurite outgrowth associated [*Homo sapiens* (human)]

Also known as: DSC92

Summary:

NGRN is a secreted protein. It is expressed at high levels in heart, brain and skeletal muscle. It may be involved in neuronal differentiation.



> RDC2058 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcc aactgttggg aaggcgcatc ggtcggggcc tcttcgctat
301  tacgccagctt ggcgaaaggg ggatgtgtct caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atggcggtta ccctgagtct cttgcctggc ggcgcgcttt gcgcgcgctg
501  cactgcgtgt gggttcgcga cccggggggt ggcgggccca ggccctattg gccgggagcc ggaccccgat tccgactggg agccggagga acgggagctg
601  caggaggttg agagcaccct gaaacgacag aaacaagcaa tccgattcca gaaaattcgg aggcaaatgg aggcgctgg tgccccgccc aggaccctga
701  cgtgggaagc catgggagcg atacgggtatt tacatgagga atttccagag tccctggtoag ttcccagggt ggctgaaggc tttgatgtca gcaactgatgt
801  gatccgaaga gttttaaaaa gcaagttttt accacatttg gagcagaagc tgaagcagga tcaaaaagtc cttaagaaag ctgggcttgc ccactcgttg
901  cagcacctcc ggggctctgg aaatacctca aagctgtccc ctgcaggcca ctctgtatca ggctctttgc ttatgccagg gcatgaagcc tcactctaaag
1001 acccaatca cagcacagct ttgaaagtga tagagtacga cactcacagg acaaatcac caaggagaag gaagggaaga aataaagaaa tccaggacct
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1901 ccccatgaa cagcacagct gtgactctct gttcgcagcc gttcgcttac cggaataacc tcgccttttc tccttccggg aagcgctggc ctttctcaat
2001 gctcacgctg taggtatctc agttcgggtg aggtcggttc ctccaagctg ggctgtgtgc acgaaccccc cggttcagcc gaccgctgcg ccttatccgg
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2201 acagagtctt tgaagtgggt gcctaactac ggctacacta gaaggacagt atttggatc tgcgctctgc tgaagccagt taccttcgga aaaagagttg
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2601 tctgtctatt tcgttcaccc atagttgcct gactccccgt cgtgtagata actacgatac gggaggggct accatctggc cccagtgctg caatgatacc
2701 gcgagaccga cgctcaccgg ctccagattt atcagcaata aaccagccag ccggaagggc cgagcgcgag agtggctcgt caactttatc cgctccatc
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2901 cgctgctttg tatggttcca ttcagctccg gttcccacag atcaaggcga gttacatgat cccccatgtt gtgcaaaaaa gcggttagct ccttcgggtc
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3501 agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcca cctgacgtct aagaaacct tattatcatg acattaacct ataaaaaatag
3601 gcgtatcacg aggccctttc gtc

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> RDC2058 Translated Insert Sequence

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1   mavtllslilg grvcaavtrc gfatrgvagp gpigrepdpd sdwepeerel qevestlkrq kqairfqkir rqmeapgapp rltlweameq irylheefpe
101  swsvprlaeg fdvstdvirr vlkskflptl eqklkqdkqv lkkaglahsl qhlrgsgnts kllpaghsvs gsllmpghea sskdpnhsta lkviesdthr
201  tnpprrrkgr nkeiqdles fvpvaaplgh prelkqysd sesprgtsgs alpsgqklee lkaeepdnfs skvvqrgref fdsngnflyr i

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