

Specifications:

Gene:	<i>hNTN5</i>
Accession:	NP_665806.1
Insert size:	1483bp
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

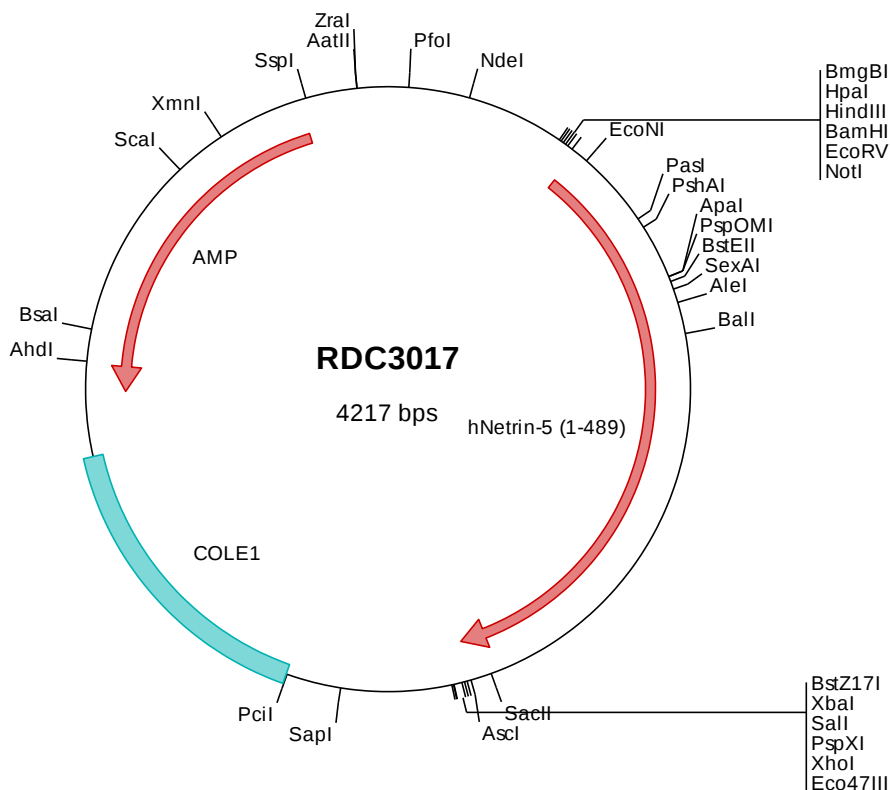
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

hNetrin-5 cDNA Plasmid

NTN5 netrin 5 [*Homo sapiens* (human)]

Summary:

Netrin-5 plays a role in neurogenesis. It prevents motor neuron cell body migration out of the neural tube.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3017 Plasmid DNA Sequence

```

1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcacgggggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaagg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggcggccacc atgcccgtga cctttgccct cctgctctcc ctgggcccagg ccactgcgga
501  cccatgctac gatccacagg gccgccccca attctgcctc ccgcacgtga cacagctggc tgccgtggcg goctcctgcc ctcaggcctg tgccctgtcc
601  ccaggaaaacc accttgggcg cagggaiaacc tgcaatggca gcttgaactt ggccctgggt ggccctctcc tctgacatc tgtcagcttg cgtcttctga
701  ccccaggacc cccagccctc atcctgtctg ctgctctggc ctcagggggt ccttgaggcg tgctgtggca caggcccgcc tggcctgggg ccttaggggg
801  ccctgaaagg gtgaccttcc actccacacc aggtcctaag gccactgttg cggccagcca cctccgtgtg gagtttgag gacaggctgg actagctgca
901  gctgggctga gaggaacctg ccagtgtcat ggccacgctg cccgctgtgc cggccgtgca agaccccccc gctgccactg ccgccaccat accactggcc
1001 cggggctgga gagctgcgc ccttcccctc gagactggcc ctggcgccct gccacgcccc ggcaaccccc ccttgcccta cctgctctcc gcaaccagca
1101 cgcccgacgc tgcgggttca actctgagct gttcagaactg tcggggcgcc ggagtggggg tgtttgtgag cggtgccgcc accacacagc tggggcgac
1201 tgccaactact gccaacctgg gttctggagg gaacctagcc agcctatctt cagcccgagg gcttgacag cctgccagtg ccacctattt ggggcaacag
1301 gaggaacctg caaccagacc agtgggcagt gttagggctg acaggcctga cctgcaaccc ctgtggccct ggttaccagc agagccgctc
1401 ccccaggatg ccttgccagc gaattccaga ggcaacaacc acccttgcca ctactcctg tcttatagc tctgacctc agtgtcaaaa ctactgcaat
1501 atgtcggaca ccagggtaca ctgagcctt cggaggtact gccagcagga ccatgttctc cgcgcgcagg tctagcgtc cgaggctgcg ggaccggcat
1601 ggcagagact ggccgtgcgc tttcaaggca cctggcgccg gccagcgacc ggagccttgg ggagcctagg ccttagctgac ccttagctgac
1701 ctgcggctgc ctgcgcctgc agccagggcac cgaactacctg ctgctgggca ggcgcgtggg cgaacccgac cccacggccc tcatcctoga ccgccatgga
1801 ctcgcgctgc ctgaggggcc acgctgggct cggcctctga agcggctgca gcaggaggag agagccggag gctgcccggg cgtgagagca cccacacctc
1901 gccccagcgc ggagcactaa aggcgcgcca gtatactcta gactcgacac ccggggaatt cctcgagcgc tctgtcttag cttggcgtaa tcatggtcat
2001 agctgtttcc tgtgtgaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagt taaagcctgg ggtgcctaata gactgagcta
2101 actcacatta attgcgttgc gctcaactgc cgtcttccag tcgggaaacc tgtcgtgcca gctgcattaa tgaatcgcc aacgcgcggg gagaggcggg
2201 ttgcgtattg ggcgctcttc cgtctctctc ctcactgact cgtctgcctc ggtcgttcgg ggtcgttcgg cgtgcgcagg cggtatcagc cgggtaatac
2301 ggttatccac agaactcagg gataacgcag gaaagaacat gtgagcggaa ggccagcggg agggcaggaa ccgtaaaaaa gccgcgctgc tggcgctttt
2401 ccataggctc cgcgccctgc acgagcatca caaaaaatga cgtcaagtc agaggtggcg tttctccctt cgggaagcgt ggcgctttct caatgctcac
2501 ggaagctccc tctgtgcctc tctgttccg accctgcgc ttaccggata cctgtccgcc tttctccctt cgggaagcgt ggcgctttct caatgctcac
2601 gctgtaggta tctcagttcg gtgtaggctg ttoctccaa cgtgggctgt gtgcacgaac cccccgttca gcccgaccgc tgcgccttat ccggttaacta
2701 tctgtcttag tccaaccgg taagacacga cttatcgcca gtcgcagcag ccaactgtaa caggattagc agagcgagg atgtaggcg tgcacagag
2801 ttcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg tatctgcct cgtctgaagc cagttacctt cggaaaaaga gttggtagct
2901 cttgatccgg caaacaacc accgctggta gcggtggttt tttgtttgc aagcagcaga ttacgcgcag aaaaaaagg tctcaagaag atcctttgat
3001 cttttctacg gggtctgacg ctcagtggaa cgaaaactca cgttaaggga ttttggctat gagattatca aaaaggatct tcacctagat ccttttaaat
3101 taaaaatgaa gttttaaatc aatctaaagt atatatagat aaacttggtc tgacagttac caatgcttaa tcagtggagc acctatctca gcgatctgtc
3201 tatttcgttc atccatagtt gctgactccc ccgtcgtgta gataactacg atacgggagg ggtccgagcg cgttaccatc tggccccagt gctgcaatga taccgcgaga
3301 cccacgctca ccgctccag atttatcagc aataaaccag ccagccggaa gggccgagcg cagaagtggg cctgcaactt tatccgcctc catccagctc
3401 attaatgttt gccgggaagc tagagtaagt agttcgccag ttaatatgtt ggcgaacggt gttgccattg ctacaggcat cgtggtgtca cgtcgtcgt
3501 ttggtatggc ttcattcagc tccggttccc aacgatcaag gcgagttaca tgatccccc tgttgtgcaa aaaagcgggt agctccttcg gtcctccgat
3601 cgttgtcaga agtaagttgg ccgcagtggt atoaactcatg gttatggcag cactgcataa ttctcttact gtcatgccat ccttaagatg cttttctgtg
3701 actggtgagt actcaaccaa gtcattctga gaatagtga tgccgggacc gactgtctct tgcccggcgt caatacggga taataccgcg ccacatagca
3801 gaactttaaa agtgctcatc attgaaaaac gttcttccgg gcgaaaaact ccaagatct taccgctgtt gagatccagt tcgatgtaac ccactcgtgc
3901 acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaaat gccgcaaaa agggaataag ggcgacacgg
4001 aaatgttgaa tactcatact cttccttttt caatattatt gaagcattta tcagggttat tgtctcatga gcggatacat atttgaatgt atttagaaaa
4101 ataaacaaat aggggttccc cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat catgacatta acctataaaa ataggcgtat
4201 cacgagggccc tttcgtc

```

> RDC3017 Translated Insert Sequence

```

1   mpvtfallll lqqatadpcy dpqgrpqfcl ppvtqlaava ascpqacals pgnhlaret cngsltlalg gpfltsvsl rfctpgppal ilsaawasgg
101  pwrllwhrpa wpgalgpper vtfhstpgpk atvaashlrv efgggaglaa aglrgrcqch ghaarcaara rprchchrhh ttgpgcescr pshrdwprp
201  atrphphpcl pscnqharr crfnselfrl sggrrsgvce rcrhhtagrh chycqpgfwr dpsqpifsr acracqchpi gatggtcnqt sgqctcklvg
301  tgltnrcgp gyqqsrsprm pcqripeatt tlattpgays sdpcqnycn msdtrvhmsl rrycqgdhvl raqvlaseaa gpawqrlavr vlavykqraq
401  pvrrgdqdaw vpradltcgc lrlqpgtdyl llgsavgdpd ptrlildrhg lalpwprwa rplkrlqgee raggcrgvra ptpsprpeh

```