

Specifications:

Gene:	hNTSR1
Accession:	NP_002522
Insert size:	1268bp
Concentration:	10µg at 0.2µg/µL

hNTSR1 cDNA Plasmid

**NTSR1 neurotensin receptor 1
(high affinity) [*Homo sapiens*]**

Also known as: NTR

Summary:

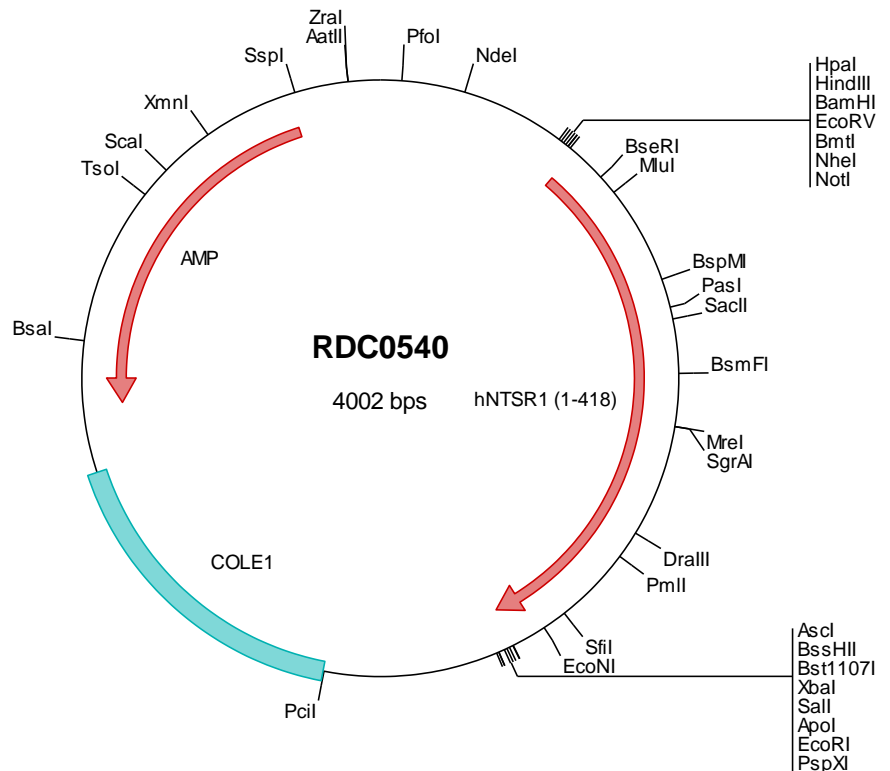
Neurotensin receptor-1 (NTSR-1) is a G protein-coupled receptor (GPCR) that has been identified as a mediator of cancer progression. It mediates the multiple functions of neurotensin, such as hypotension, hyperglycemia, hypothermia, antinociception, and regulation of intestinal motility and secretion. Defects in NTSR are associated with variance in working memory performance among healthy adults.

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



> RDC0540 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgcccctca acagctccgc gccgggaaacc ccgggcaacc cggccgcgca
501 ccccttccag cgggcgcaag ccggaactga ggaggcgtg ctggcccgg gcttcggcaa cgttcggggc aacgcgtcgg agcgcgtcct ggcggcaacc
601 agcagcgagc tggagtgaa cacogacatc taotccaagg tgctggtgac gcgcgtgtac ctggcgctct togtggtggg cacggtgggc aacacggtga
701 cggcgttccac gctggcgagg aagaagtgcg tgcagagcct gcagagcaag gtgcattacc acctggggcag cctggcgctg tccgacctgc taccctgtct
801 gctggccatg cccgtggagc tgtacaactt catctgggtg caccaccct gggccttogg cgacgcggcg tgcccggtct actactcct ggcgacgccc
901 tgcacctaac ccacggcct caaogtggcc agcctgagtg tggagcgcta cctggccatc tgcaccctct tcaaggccaa gacctcatg tccgaagcc
1001 gcaccaagaa gttcatcagc gccatctggc tgcctcggc cctgctggg gtgcctatgc tgttaccat gggcgagcag aaccgcagcg ccgacggcca
1101 gcagccggc gctctgggtg caccccac catccacact gccaccgta aggtcgtcat acaggtcaac acctctatgt ccttcatatt cccatggtg
1201 gtcattctcg tctgaaacac catcatcgcc aacaagctga cctctatgt acgcccaggc gcgagcagc gccaagtgt cacggtcggg ggcgagca
1301 gcacattcag catggccatc gagcctggca ggttccaggc cctcgggca ggcgtgcgag tctactgtc agtggtcatc gcctttgtg tctgctggct
1401 gccctaccac gtgcggcgcc tcaatgtctg ctacatctcg gatgagcagt ggactcgtt cctctatgac ttctaccact acttctacat ggtgacaaac
1501 gcaactctct acgtcagctc caocatcaac ccaatcctgt acaactcgt ctctgcaaac ttccgccaac tcttctggc cactctggc tgcctctgcc
1601 cgggtggggc gcgcaggagg aagaggccag ccttctcag gaaggccagc agcgtgtcca gcaaccacac cctctccagc aatgccacc gcgagacgct
1701 gtaactgagc gcccagata ctctagatc gacaaccggg gaattcctcg agecctcgtc tctagcttgg cgtaatcatg gtcatagtct tttcgtgtg
1801 gaaattgtta tccgctcaca attccacaca acatagcagc cggaaagcata aagtgtaaag cctgggggtg ctaatgagtg agctaacatc cattaatg
1901 gttgctgca ctgcccgtt tccagtcggg aaacctgtcg tgccagctgc attaatgaat cggccaacgc cgggggagag gcggtttgct tattggggc
2001 tcttccgctt cctcgtcac tgactcgtg cgctcggctg ttccgctgag gcgagcggta tcagctcact caaaggcggg aatacggta tccacagaat
2101 caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaaggccc gttgctggc ttttccata gctccgccc
2201 ccctgacgac catcacaata atcgacgctc aagtcagagg tggcgaaac cgacaggact ataaagatac caggcgtttc ccctggaag ctccctcgtg
2301 cgctctcctg ttccgaccct gcogcttacc ggatacctgt ccctctggta agcctcggcg cctctggcgc tttctcaatg ctcacgctgt aggtatctca
2401 gttcgggtga ggtcgttcgc tcaagctgg gctgtgtgca cgaaccccc gttcagccc accgctgcgc cttatcgggt aactatcgtc ttgagtcaca
2501 cccgtaaga cacgacttat cgccaactg agcagccact ggtaacagga tttagcagagc gaggtatgta ggggtgcta cagagtctt gaagtgggtg
2601 ctaactacg gctacactag aaggacagta tttggtatct gcgctctgct gaagcagtt accttcggaa aaagagttg tagctcttga tccgcaaac
2701 aaaccaccgc tggtagcggg ggtttttttg tttgcaagca gcagattacg cgcaaaaaa aaggatctca agaagatcct ttgatcttt ctaccgggtg
2801 tgacgctcag tggaaacgaaa actcactgta agggattttg gtcatgagat tatcaaaaag gatcttccc tagatcctt taaataaaaa atgaagttt
2901 aatcaatct aaagtatata tgagtaaact tggctgaca gttaccaatg cttaatcagt gaggcaacta tctcagcag ctgtctattt cgttcatcca
3001 tagttgcctg actcccgtc gtgtagataa ctacgatac ggagggctta ccatctggcc ccagtctgc aatgataccg cgagaccacc gctcaccggc
3101 tccagattta tcagcaataa accagccagc cggaaaggcc gagcgcagaa gtggctctg aactttatcc gcctccatcc agtctattaa ttgttgcgg
3201 gaagctagag taagtatttc gccagttaat agtttgccca acgtttgttc cactgtaca ggcacgtggt tgtaacgctc gtcgtttggt atggttcat
3301 tcagctccgg tttcccaacga tcaaggcgag ttacatgat ccccatgttg tgcaaaaaa cggtagctc cttcggctct ccgatcgttg tcagaagta
3401 gttggccgca gtttatcacc tcaatggtat ggcagcactg cataattctc ttaactgtcat gccatccgta agatgcttt ctgtgactg tgagtactca
3501 accaagctat tctgagaata gtgtatcggt cgaccgagt gctcttccc ggcgtcaata ccgcccaca tagcagaact ttaaaagtgc ttaaaagtgc
3601 tcatcattgg aaaacgtttc tcggggcgaa aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaaccact cgtgcaacca actgatcttc
3701 agcatctttt actttcaccg gcgcttctgg gtgagcaaaa acaggaaggg aaaaagggc ataagggcga acggaagat caggaagat ttgaatactc
3801 atactcttcc tttttcaata ttattgaagc atttatcagg gttattgtct catgagcggg tacataattg aatgtattta gaaaaataaa caaatagggg
3901 ttccgcgcac atttcccga aaagtgccac ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcaca ggcctttcgc
4001 tc

> RDC0540 Translated Insert Sequence

1 mrlnssapgt pgtpaadpfpq raqagleal lapgfgnasg naservlaap sseldvntdi yskvlvtavy lalfvvgtv ntvtaftlar kkslqslqst
101 vhyhlgsial sdlltlllam pvelynfiwv hhpwafgdag crgyyflrda ctyatalnva slsverylai chpfkaktlm srsrtkkfis aiwlasalla
201 vpmflmtmgeq nrsadgqhag glvctptiht atkvkviqvn tfmsfifpmv vislvntiia nkltvmvrqa aeggvctvg gehstfsmal epgrvqalrh
301 gvrvlravvi afvvcwlpvh vrrlmfcyis deqwtpflyd fyhyfymvtn alfvyssstin pilynlvnsan frhiflatla clcpvwrrrr krpafsrkad
401 svssnhtlss natretly