

Specifications:

Gene:	<i>h</i> NTM
Accession:	NP_057606
Insert size:	1048bp
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.

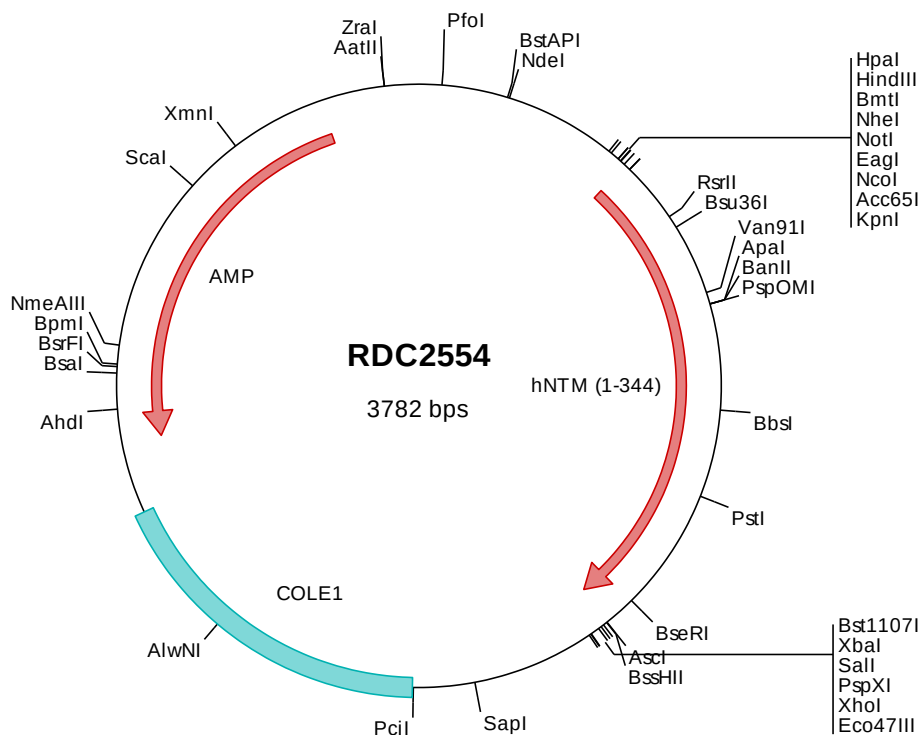
*h*Neurotrimin cDNA Plasmid

NTM neurotrimin [*Homo sapiens* (human)]

Also known as: HNT; NTRI; CEPU-1; IGLON2

Summary:

NTM is a member of the IgLON (LAMP, OBCAM, Ntm) family of immunoglobulin (Ig) domain-containing glycosylphosphatidylinositol (GPI)-anchored cell adhesion molecules. It may promote neurite outgrowth and adhesion via a homophilic mechanism. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2554 Plasmid DNA Sequence

```

1   tcgcgcgcttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gttgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcg  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgtcg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcaccc  atgggggtct  gtgggtacot  gttcctgccc  tgggaagtgc  tcgtggctgt
501  gtctctcagg  ctgctgttcc  ttgtacccac  aggagtgcgc  gtgcgcagcg  gagatgccc  ctccccaaa  gctatggaca  acgtgacggt  ccggcagggg
601  gagagcgcca  ccctcagggt  cactattgac  aaocgggtca  cccgggtggc  ctggctaaac  cgcagcacca  tcctctatgc  tgggaatgac  aagtgggtgc
701  tggatcctcg  cgtgggtcct  ctgagcaaca  cccaaacgca  gtacagcatc  gagatccaga  acgtggatgt  gtatgacgag  ggcccttaca  cctgctcggt
801  gcagacagac  aaccacccaa  agacctctag  ggtccacctc  attgtgcaag  tatctcccaa  aattgtagag  atttcttcag  atatctccat  taatgaaggg
901  aacaatatta  gcctcacctg  catagcaact  ggttagaccg  agctacggt  tacttgagag  cacatctctc  ccaaagcggt  tggctttgtg  agtgaagacg
1001 aatacttgag  aatctagggc  atcaccggg  agcagtcagg  ggactacgag  tgcagtgcct  ccaatgacgt  ggccgcgccc  gtggtacgga  gagtaagggt
1101 caccgtgaac  tatccacgat  acatttcaga  agccaagggt  acaggtgtcc  ccgtgggaca  aaaggggaca  ctgcagtgtg  aagcctcagc  agtccctca
1201 gcagaattcc  agtgggtaca  ggtgacaaa  agactgattg  aaggaaagaa  aggggtgaaa  gtgaaaaaca  gacctttcct  ctcaaaactc  atctcttcca
1301 atgtctctga  acatgactat  gggaactaca  cttgcgtggc  ctccaaacag  ctgggcccaca  ccaatgccag  catcatgcta  tttgttccag  gtcgctcag
1401 cgaggtgagc  aacggcacgt  cgaggagggc  aggetgcgtc  tggctgtgtc  ctcttctggt  ctgtcacctg  cttctcaaat  tttaaaggcg  cgccagtata
1501 ctctagatgc  gacacccggg  gaattcctcg  agcgtctgtc  tctagcttgg  cgtaatcatg  gtcatagtcg  tttcctgtgt  gaaattgtta  tccgctcaca
1601 attccacaca  acatacgagc  cggaagcata  aagtgtaaag  cctgggggtg  ctaatgagtg  agctaactca  cattaattgc  gttgcgctca  ctgcccgtt
1701 tccagtcggg  aaacctgtcg  tgcagctgc  attaatgaat  cggccaacgc  gcggggagag  gcggttttgc  tattgggcgc  tcttcgctt  ctctgctcag
1801 tgactcgtg  cgctcggtgc  ttcggtgcg  gcgagcggtg  tcagctcgtc  caaaggcggt  aatacgggta  tccacagaat  caggggataa  ccgaggaaag
1901 aacatctgag  aaaaagggca  gcaaaaggcc  aggaaccgta  aaaaggccgc  gttgctggcg  tttttccata  ggctccgccc  cctgacgag  catcacaaaa
2001 atcgacgctc  aagtcagagg  tggcgaaacc  cgacaggact  ataaagatac  caggcgcttc  cccctggaag  ctccctcgtg  cgctctcgt  ttcgacctc
2101 gccgcttacc  ggtacactgt  ccgcttttct  cctctcggtg  agcgtggcgc  tttctcaatg  ctacgctgt  aggtatctca  gttcggtgta  ggtcgttcgc
2201 tccaaagctg  gctgtgtgca  cgaacccccc  gttcagcccg  accgctgcgc  ctatctcggt  aactatcgto  ttgagtccaa  cccggttaaga  cagcacttat
2301 cgccactggc  agcagccact  ggtaacagga  ttgacagagc  gaggtatgta  ggcgggtgta  cagagttctt  gaagtgttgg  cctaactacg  gctacactag
2401 aaggacagta  tttggtatct  gcgctctgct  gaagccagtt  acccttcgga  aaagagttgg  tagctcttga  tccggcaaac  aaaccacgc  tggtagcgg
2501 ggtttttttg  tttgcaagca  gcagattacg  cgcagaaaaa  aaggatctca  agaagatcct  ttgatctttt  ctacggggtc  tgacgctcag  tggaaacgaaa
2601 actcacgtta  agggattttg  gtcagagat  tatcaaaaaa  gatcttcacc  tagatccttt  taaattaaaa  atgaagtttt  aaatcaatct  aaagtatata
2701 tgagtaaaat  tggcttgaca  gttaccaatg  cttaatcagt  gaggcaccta  tctcagcgat  ctgtctattt  cggtcatcca  tagttgctg  actcccgtc
2801 gtgtagataa  ctacgatacg  ggagggctta  ccactctggc  ccagtgtctg  aatgataccg  cgagacccac  gctcaccggc  tccagattta  tcagcaataa
2901 accagccagc  cggaaggggc  gagcgcagaa  gtggctcctg  aactttatcc  gcctccatcc  agtctattaa  ttgttgccgg  gaagctagag  taagtattc
3001 gccagttaat  agtttgcgca  acgttgttgc  cattgctaca  ggcacgtgtg  tgtcacgctc  gtcgtttggt  atggcttcat  tcagctcgg  ttcccaacga
3101 tcaaggcgag  ttacatgatc  ccccatgttg  tgcaaaaaag  cggttagctc  cttcgtctct  ccgatcgttg  tcagaagtaa  gttggcgcca  gtgttatcac
3201 tcatgtttat  ggcagcactg  cataattctc  ttactgtcat  gccatccgta  agatgctttt  ctgtgactgg  tgagtactca  accaagtcot  tctgagaata
3301 gtgtatcgcg  cgaccgagtt  gctcttgccc  ggcgtcaata  cgggataata  ccgcgccaca  tagcagaact  ttaaaagtgc  tcctcattgg  aaaaagttct
3401 tcggggcgaa  aactctcaag  gatcttaccg  ctgttgagat  ccagttcgat  gtaacccact  cgtgcaccca  actgatcttc  agcatctttt  actttcacca
3501 gcgtttctgg  gtgagcaaaa  acaggaaggc  aaaaatgcgc  aaaaagggga  ataaggcgca  cacggaaatg  ttgaatactc  atactcttcc  tttttcaata
3601 ttattgaagc  atttatcagg  gttattgtct  catgagcgga  tacatatgtt  aatgtattta  gaaaaataaa  caaatagggg  ttccgcgcac  atttccccga
3701 aaagtgccac  ctgacgtcta  agaaccatt  attatcatga  cattaaccta  taaaataggt  cgtatcacga  ggccctttcg  tc

```

> RDC2554 Translated Insert Sequence

```

1   mgvcgylflp  wkclvvlvslr  llflvptgvp  vrsqdatfpk  amdntvtrvg  esatlrctid  nrvtvawln  rstilyagnd  kwcl DPRVVL  lsntqtqysi
101  eiqnvdvyde  gpytscvqtd  nhpktsrvhl  ivqvspkive  issdisineg  nnislctiat  grpeptvtwr  hispkavgfv  sedeyleiqg  itreqsgdye
201  csasndvaap  vvrkvktvtn  yppyiseakg  tgvpgqkgt  lqceasavps  aefqwykddk  rliegkkgvk  venrpfllskl  iffnvsehdy  gnytcvasnk
301  lghtnasiml  fgpgavsevs  ngtsrragcv  wllpllvhl  llkf

```