

Specifications:

Gene:	mNectin4
Accession:	NP_082169
Insert size:	1540bp
Concentration:	10µg at 0.2µg/µL

mNectin-4 cDNA Plasmid

Nectin4 nectin cell adhesion molecule 4 [*Mus musculus* (house mouse)]

Also known as: Prr4; Pvr14;
1200017F15Rik

Summary:

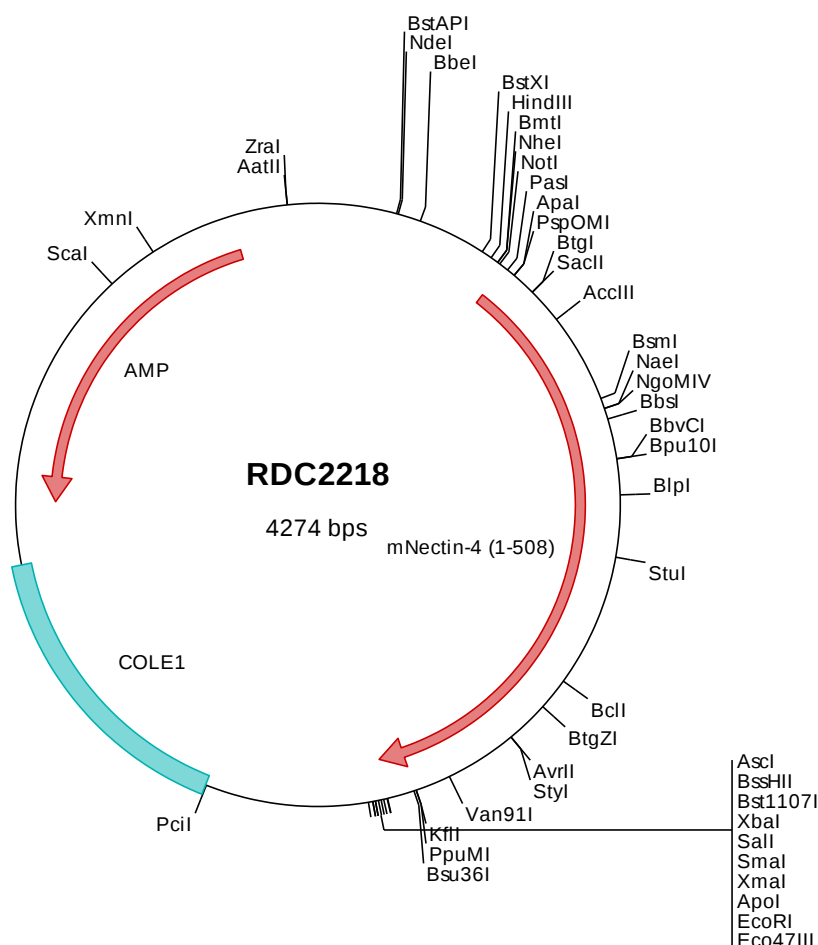
Nectin-4 is a type I transmembrane glycoprotein belonging to the Nectin family of Ig superfamily proteins. It is involved in cell adhesion through trans-homophilic and -heterophilic interactions. The soluble form is produced by proteolytic cleavage at the cell surface by the metalloproteinase ADAM17/TACE. The secreted form is found in both breast tumor cell lines and breast tumor patients. Mutations in Nectin-4 are the cause of ectodermal dysplasia-syndactyly syndrome type 1, an autosomal recessive disorder.

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.



> RDC2218 Plasmid DNA Sequence

```

1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgctc  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcg  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  agcccgagg  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggtccgata  tcgctagcgc  ggccgccacc  atgcccctgt  ccctgggagc  cgagatgtgg  ggccctgaag  cctggctgcg
501  gctgttgttc  ctggcatcgt  ttacaggcca  atattccgcg  ggtgagctgg  agaccttga  cgtagtga  gtggtgctgg  gtcaggatgc  aaaactgccc
601  tgcttttacc  gaggggatcc  ggtatgacag  gtggggcgag  ttggcgtggc  tcgagtggac  ccaaacgagg  gtatccggga  gctggcccta  ctgcactcca
701  aatagcgggt  tcatgtgaac  cctgcttatg  aggacgcgt  ggagcaacca  ccgcccccac  gagacccttt  agcggctcg  gtcctctgc  gcaacgctgt
801  gcaagctgat  gagggcgagt  acgaatgcag  agtcagcacc  ttcccagccg  gcagctttca  ggcaaggatg  cgtctctgtg  ttctggtgcc  tctctgctc
901  tcaactgaatc  ctggtccacc  actagaagag  ggccagggcc  tgacgttggc  agcctcttgc  actgctgagg  gcagcccagc  tcccagcgtg  acctgggaca
1001  cagaggtcaa  gggcacacag  tcgagcgcct  ctttcacaca  ccccgcctca  gctgcgctca  cttcagagtt  ccactctggtg  cccagccgaa  gtatgaatgg
1101  gcagccgctg  acctgtgtgg  tgtctcacc  tggcctgtct  caggaccgaa  gaattaccca  caccctocaa  gtggccttcc  ttgcggaggc  ctctgtgagg
1201  ggccttgagg  accaaaactt  gtggcaagtc  ggccgagaag  gagccacact  tttcccacac  ccaatgcctg  agtgaaggac  agccccctcc  caaatacaac
1301  ttgatggacc  cctgcttagt  ggggtacgag  tgaaaggaga  cactctgggc  ttccccccac  tgactactga  gcacagtggc  gctacgtct  gtcacgtcag
1401  caatgagctt  tottcagagg  attctcaggt  cactgtggaa  gttcttgacc  ccgaagatcc  aggaagcag  gtagacctgg  tgtccgctc  agtgatcata
1501  gtggcggtga  tegtgtctct  cctgtttctg  ctctctgtgg  ttggtgtgtg  gctcatgtcc  cgatatcctc  gccgcaaagc  ccagcagatg  acccagaaat
1601  atgagggggt  tcatgtgaac  accagggaga  actccatcag  gaggtgcac  tctcaccact  cggaccctag  gagcagcgcg  gaggagagt  tagggcttag
1701  agcggagggc  caccctgata  gtctcaagga  caacagtagc  tgcctctgtg  tgagtgaaga  gccagaaggc  cgcagctact  ccacgttaac  cacagtgaag
1801  gagatogaga  cacagaccga  actgctatct  ccagcgtctg  ggccggacaga  ggaggacgag  gatcaggatg  aaggcatcaa  acaggccatg  aaccttttg
1901  tcagggaaa  cgggacacgt  agggccaaac  ctacaggcaa  ttgatatctc  atcaatgggc  gagggccacct  ggtctaaaag  cgcccgagta  tactctagag
2001  tcgacacccg  gggaaattct  ctagcgtctg  tctctagctt  gggtcatact  ttgtctatgc  tgtttcctgt  gtgaaattgt  tatccgctca  caattccaca
2101  caacatacga  gccggaagca  taaagtgtaa  agcctggggt  gcctaatgag  tgagctaaat  cactattaat  gcgttgctgt  cactgccgcg  cctccagctg
2201  ggaacacctg  cctgcccagt  gcattaatga  atcggccaac  gcgcggggag  aggcggtttg  cgtattgggc  gctcttccgc  ttctcctgct  actgactcgc
2301  tgccgtcgtg  cgttcggctg  cggcgagcgg  tatcagctca  ctcaaacggt  gtaatacggg  tatccacaga  atcaggggat  aacgcagcaa  agaactatgt
2401  agcaaaaagg  cagcaaaaag  ccaagaaagg  taataaaggc  cgcttgctgg  cgtttttcca  taggctccgc  cccctgacg  agcatcaca  aaatcgacgc
2501  tcaagtcaga  ggtggcgaaa  ccgcagagga  ctataaagat  accaggcggt  tccccctgga  agctccctcg  tgcgtctccc  tgttccgacc  ctgccgctta
2601  ccggataact  gtcgcctttt  ctcccttcgg  gaagcgtggc  gctttctcaa  tgctcacgct  taggtatctc  cagttcggtg  taggtcgttc  gctccaaagt
2701  gggcgtgtg  cagcaacccc  cgtttcagcc  cgaccgtgct  gctttctcaa  tgctcacgct  tcttgagctc  aacccggtaa  gacacagat  atccgcaact
2801  gcagcagcca  ctggttaacg  gattagcaga  gcgaggtatg  taggcgtgtc  tacagagttc  ttgaagtgtg  ggcctaacta  cggctacact  agaaggacag
2901  tatttggtat  ctgcgctctg  ctgaagccag  ttacctcgg  aaaaagagtt  ggtagctctt  gatccggcaa  acaaacacc  gctggtagcg  gtggtttttt
3001  tgtttgcaag  cagcagatta  cgcgcagaaa  aaaaggatct  ctttgatctt  ttctacgggg  tctgacgctc  agtggaaacg  aactcacgt  aactcacgt
3101  taagggtatt  tggctcatgag  attatcaaaa  aggatcttca  cctagatcct  tttaaattaa  aaatgaagtt  ttaaatcaat  ctaaaagtata  tatgagtaaa
3201  cttgtgtctg  cagttaccaa  tgcttaatca  gtgaggcacc  tatctcagcg  atctgtctat  ttcgttcact  catagttgcc  tgactccccg  tcgtgttagat
3301  aactacgata  cgggaggcgt  taccatctgg  ccccagtgct  gcaatgatac  ccgcagaccc  acgctcaccg  gctccagatt  tatcagcaat  aaaccagcca
3401  gccggaagg  ccgagcgacg  aagtgttctt  gcaactttat  ccgcctccat  ccagctctatt  aattgttgcc  gggaaagctag  agtaagtagt  tcgccagtta
3501  atagtttgcg  caacgttgtt  gccattgcta  caggcatcgt  ggtgtcacgc  tcgtcgtttg  gtatggcttc  attcagctcc  ggttcccaac  gatcaaggcg
3601  agttacatga  tccccatgt  tgtgcaaaaa  agcgtttagc  tccttcggtc  ctcogactgt  tgtcagaagt  aagttggcgg  cagtgttatc  actcatggtt
3701  atggcagcac  tgcataattc  tcttactgtc  atgccatccg  taagatgctt  ttctgtgact  ggtgagtact  caaccaagtc  attctgagaa  tagtgtatgc
3801  ggccgaccgag  ttgctcttgc  ccggcgtaaa  tacgggataa  taccgcgcga  catagcagaa  ctttaaaagt  gctcatcatt  ggaacacggt  cttcggggcg
3901  aaaaactctca  aggatctttac  cgctgttgag  atccagttcg  atgtaaccca  cctcgtgcacc  caactgatct  tcagcatctt  ttacttttcc  cagcgtttct
4001  gggtagcaca  aaacagggaag  gcaaaaatgcc  gcaaaaaagg  gaataagggc  gacacggaaa  tgttgaatac  tcatactctt  cctttttcaa  tattattgaa
4101  gcatttatca  gggttattgt  ctcatgagcg  gatacatatt  tgaatgtatt  tagaaaaata  aacaaatagg  ggttccgcgc  acatttcccc  gaaaagtggc
4201  acctgacgtc  taagaaacca  ttattatcat  gacattaacc  tataaaaaata  ggcgatcac  gaggcccttt  cgctc

```

> RDC2218 Translated Insert Sequence

```

1   mpplsjaemw  gpeawlrlff  lasftgqysa  geletsdvvt  vvlvgdakilp  cfyrqdpdeq  vggvawarvd  pnegirelal  lhskyglhvn  payedriveq
101  ppprdpldgs  vllrnnavqd  egeyecrvst  fpagsfqarm  rlrvlvpplp  slnpgpplee  gqgltilaasc  taegspapsv  twdtevkgtq  srsfthprsr
201  aavrtsefhv  psrsmnggpl  tcvvshpgll  qdririthtlq  vafllaeasvr  gldqnlwqv  gregatlklcl  segqpppkyn  wtrldgplps  gvrvkqgdtlg
301  fppllttehsg  vyvchvsnel  ssrdsqvtve  vldpedpgkq  vdlvsasvii  vgviaaillfc  llvvvvvlms  ryhrrkaqgm  tqkyeeeltl  trensirrlh
401  shhsdprsqp  eesvglraeg  hpdslkdhns  csvmseepeg  rsystlttvr  eietqtells  pgsgrteedd  dqdegikqam  nhfvqengtl  rakptngngiy
501  ingrghlv

```