

Specifications:

Gene:	mC1qtnf3
Accession:	NP_112150
Insert size:	754bp
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.

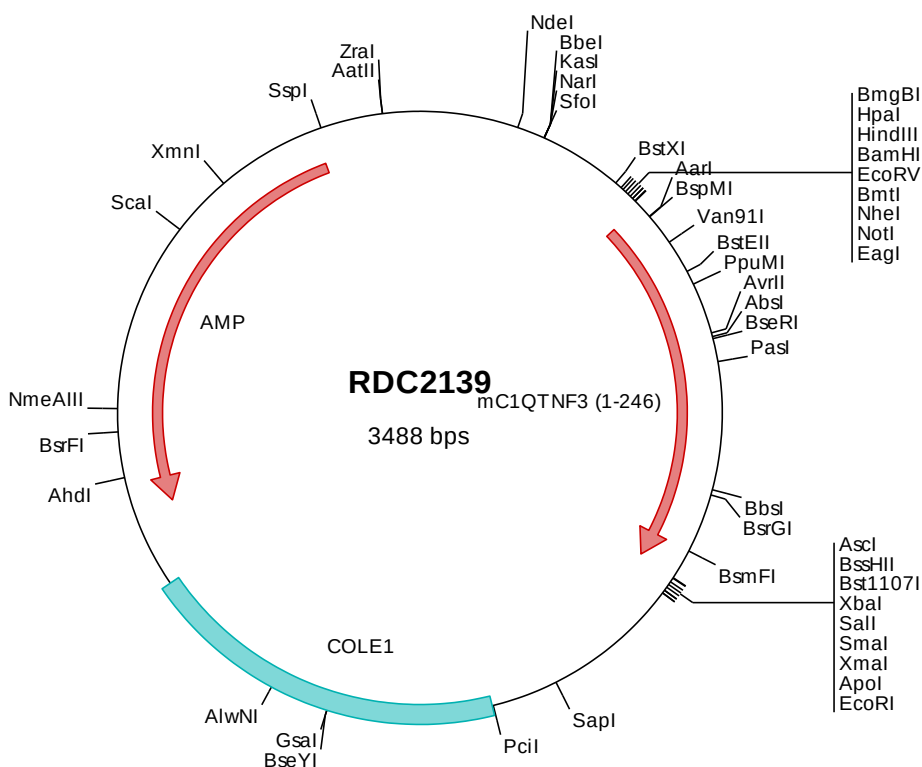
mC1qTNF3/CORS26 cDNA Plasmid

C1qtnf3 C1q and tumor necrosis factor related protein 3 [*Mus musculus* (house mouse)]

Also known as: Cors; CTRP3; Corcs; CORS26; CORS-26; 2310005P21Rik

Summary:

C1qTNF3 is a member of the C1q family of proteins. It is a secreted protein and contains one C1q domain and one collagen-like domain. C1qTNF3 stimulates mesenchymal chondroprogenitor cell proliferation through extracellular signal-regulated kinase and phosphatidylinositol 3-kinase/Akt pathways. C1qTNF3 also promotes proliferation and the migration of endothelial cells. Alternatively spliced transcripts encoding different proteins have been described.



> RDC2139 Plasmid DNA Sequence

```

1   tcgcgcgttt  cggatgatgac  ggtgaaaaac  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gttgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  agccagggtt  tttcccgatc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcacc  atgctcggga  gacagcgcat  ctggtggcac  ctgctacott  tgcctttcct
501  cccattttgc  ctgtgtcaag  atgaatatcat  ggagtctcca  caagctggag  gactgcccc  agactgcagc  aagttgttgc  atggagatta  tggatttcgt
601  ggtaaccaag  ggccccctgg  acctccaggt  cctcctggca  ttccaggaaa  ccatggaaac  aatgggaaca  atggagctac  tggccatgaa  ggggcccagg
701  gtgagaaagg  agacaaaagg  gacctaggcc  ctogaggaga  acgggggcag  catggcccc  aaggagagaa  aggtaccca  ggggtgccac  cagaactgca
801  gattgcattc  atgctctctc  tagcaactca  cttcagcaat  cagaacagtg  gcattatott  cagcagtggt  gagaccaaca  ttggaaaact  cttcogatgtc
901  atgactggga  gatttggggc  ccccgatca  ggtgtgtatt  tottcacott  cagcatgatg  aagcatgagg  acgtagagga  agtgtatgtg  taccttatgc
1001  acaacggcaa  cacagtcttc  agcatgtaca  gctatgaaac  aaagggaaaa  tcagatacat  ccagcaacca  tgcagtgtcg  aagttggcca  aaggagatga
1101  agtctggcta  agaattggca  acggtgccct  ccacggggac  caccagcgct  tctccacott  cgcaggtctt  ctgctotttg  aaactaagta  aaggcgcgcc
1201  agtatactct  agagtgcaca  cccggggaat  tctctgagcg  ctctgtctcta  gcttggcgta  atcatgggtca  tagctgtttc  ctgtgtgaaa  ttgttatccg
1301  ctcacaattc  cacacaacat  acgagccgga  agcataaaat  atgaatcgcc  caacgcgcgg  ggagaggcgg  tttgcgtatt  gggcgctott  ccgcttctc
1401  ccgctttcca  gtcgggaaac  ctgtcgtgcc  agctgcatta  atgaatcgcc  caacgcgcgg  ggagaggcgg  tttgcgtatt  gggcgctott  ccgcttctc
1501  gctcactgac  tcgctgcgct  cggctgcttc  gctgcggcga  gcggtatcag  ctactcaaaa  ggcggttaata  cgggtatcca  cagaatcagg  ggataacgca
1601  ggaaagaaca  tgtgagcaaa  aggccagcaa  aagcccgagg  accgtaaaaa  ggcgcgcttg  tccataggtc  ccgccccct  gacgagcatc  ccgccccct
1701  acaaaaatcg  acgctcaagt  cagaggtggc  gaaaacccgac  aggaactata  agataaccag  cgtttccccc  tggaaagctc  ctgctgcgct  ctcctgttcc
1801  gacctgccc  cttaccggat  acctgtccgc  cttttccctt  tcgggaagcg  tggcgctttc  tcaatgtctca  cgctgtaggt  atctcagttc  ggtgtaggtc
1901  gttcgctcca  agctgggctg  tgtgcacgaa  ccccccgctt  agcccgaccg  ctgcgcctta  tccggtaact  atcgtcttga  gtccaacccg  gtaagacacg
2001  acttatcgcc  actggcagca  gccactggta  acaggattag  cagagcgagg  tatgtaggcg  gtgtacaga  gttcttgaag  tgggtggccta  actacggcta
2101  cactagaagg  acagtatttg  gtatctgcgc  tctgtcgaag  ccagttacct  tcggaaaaag  agttggtagc  tcttgatccg  gcaaacaaa  caccgctggt
2201  agcgggtggt  tttttgtttg  caagcagcag  attacgcgca  gtaaaaaagg  atctcaagaa  gatcctttga  tcttttttac  ggggtctgac  gctcagtgga
2301  agcaaaact  acgttaagg  attttgttca  tgagattatc  aaaaaggatc  ttcacctaga  tccttttaaa  ttaaaaatga  agtttttaaa  caatctaaa
2401  tatatatgag  taaacttggt  ctgacagtta  ccaatgctta  atcagtgagg  cactatctc  agcgatctgt  ctatttcgtt  catccatagt  tgctgactc
2501  cccgctgtgt  agataactac  gatacgggag  ggcttaccat  ctggccccag  tgctgcaatg  ataccgagg  acccagctc  accggctcca  gatttatcag
2601  caataaacca  gccagccgga  agggccgagc  gcagaagtgg  tcttgcaact  ttatcccgct  ccatccagtc  tattaattgt  tgccgggaag  ctgagtaag
2701  tagttcgcca  gtttaagt  tgccgaacgt  tgttgccatt  gctacaggca  tcgtgtgttc  acgctcgtcg  tttggtatgg  cttcattcag  ctccggttcc
2801  caacgatcaa  ggcgagttac  atgatcccc  atgttgtgca  aaaaagcggt  tagctccttc  ggtcctccga  tcgttgtcag  aagtaagttg  gccgcaggtg
2901  tatcactcat  ggttatggca  gcaactgcata  attctcttac  tgtcatgcca  tccgtaagat  gcttttctgt  gactgggtg  tactcaacca  agtcattctg
3001  agaatagtgt  atgcggcgac  ctgctgtgct  ttgcccggcg  tcaataccgc  ataataccgc  gccacatagc  agaactttaa  aagtgctcat  cattggaaaa
3101  cgtttcttgc  ggcgaaaact  ctcaaggatc  ttaccgctgt  tgagatccag  ttcatgtaa  cccactcgtg  caccacaact  atcttcagca  tcttttactt
3201  tcaccagcgt  ttctgggtga  gcaaaaacag  gaaggcaaaa  tgccgcaaaa  aagggaataa  gggcgacacg  gaaatgttga  atactcatac  tcttctttt
3301  tcaatattat  tgaagcattt  atcagggtta  ttgtctcatg  agcggatata  tatttgaatg  tattttagaa  aataaaca  taggggttcc  gcgcacattt
3401  ccccgaaaag  tgccacctga  cgtctaaaga  accattatta  tcatgacatt  aaactataaa  aataggcgta  tcacgaggcc  ctttcgtc

```

> RDC2139 Translated Insert Sequence

```

1   mlgrqriwh  llplllpfc  lcqdeymesp  qagglppdcs  kchgdgygr  gyggpppppp  ppgipgnhgn  ngngatghe  gakgekdkg  dlgrprgerg
101  hgpkgckgyp  gvppelqiaf  maslathfsn  qnsqilifssv  etnignffdv  mtgrfigapvs  gvyfiftfsm  khedveevyv  ylmhngntvf  smysyetkkg
201  sdtssnhavl  klakgdevwl  rmngalghd  hqrfstfagf  llfetk

```