

Specifications:

Gene:	mTnfrsf17
Accession:	NP_035738
Insert size:	571bp
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.

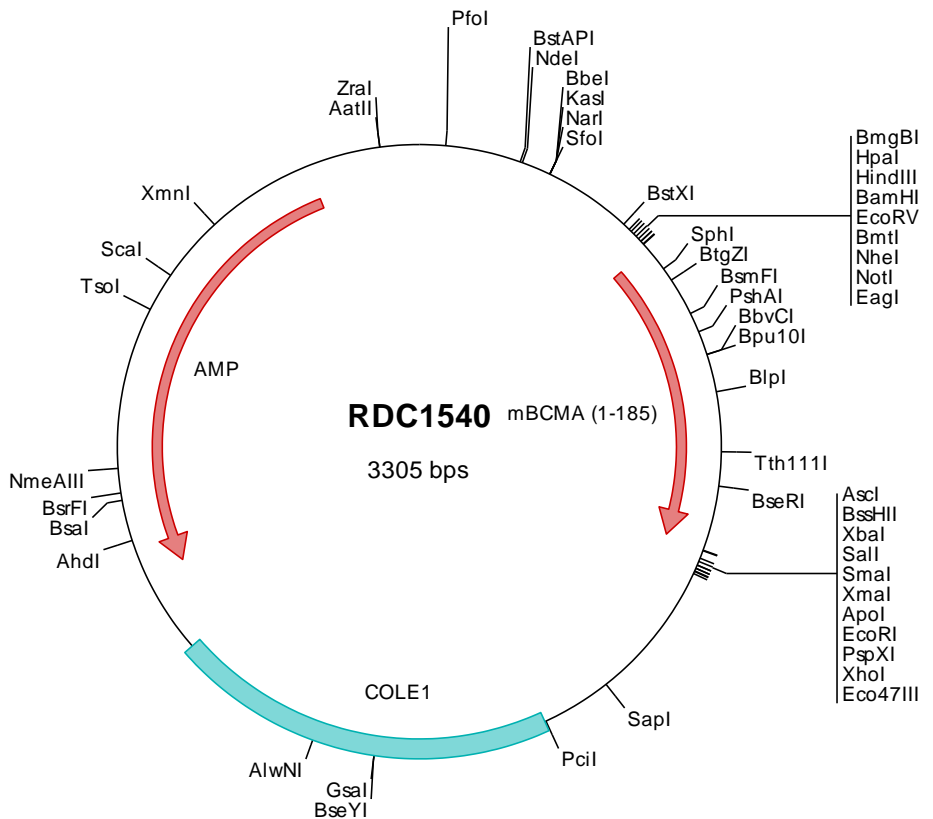
**mBCMA/TNFRSF17
cDNA Plasmid**

Tnfrsf17 tumor necrosis factor receptor superfamily, member 17 [*Mus musculus* (house mouse)]

Also known as: BCMA; BCMA;
Tnfrsf13; Tnfrsf13a

Summary:

BCMA is a member of the TNF receptor superfamily. It is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. BCMA binds to receptor ligands TNFSF13B/TALL-1/BAFF and APRIL leading to NF-kappaB and MAPK8/JNK activation. It also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1540 Plasmid DNA Sequence

```

1   tcgctgctgtt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacgggtc  cagcttgtct  gtaagcggat  gccggggagc  gacaagcccc
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  cttaaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacacgat  gcgtaagggag  aaaatacccc  atcaggcgcc  attcgccatt  caggctgcgc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcacc  atggcgcaac  agtgtttcca  cagtgaatat  tttgacagtc  tgctgcatgc
501  ttgcaaacgg  tgtaacttgc  gatgtttccaa  ccctcctgca  acctgtcagc  cttactgtga  tccaagcgtg  accagttcag  tgaaggggac  gtacacggtg
601  ctctggatct  tcttggggct  gaccttggte  ctctctttg  cacttttca  aatctcatte  ttgctgagga  agatgaaccc  cgaggccctg  aaggacgagc
701  ctcaaacgcc  aggtcaagctt  gacggatcgg  ctcagctgga  caaggccgac  accgagctga  ctaggatcag  ggctgggtgac  gacaggaatc  ttccccgaag
801  ctcggagtat  acagtggaa  agtgcacctg  tgaggactgt  gtcaagagca  aacccaagg  ggattctgac  catttcttcc  cgcttccagc  catggaggag
901  ggggcaacca  ttcttgtcac  cacaaaaacg  ggtgactacg  gcaagtcaag  ttgtccaact  gctttgcaaa  gtgtcatggg  gatggagaag  ccaactcaca
1001 ctagataaag  gcgcgccag  atactctaga  gtcgacaccc  ggggaattcc  tcgagcgctc  gtctctagct  tggcgtaatc  atggtcatag  ctgtttcctg
1101  tgtgaaattg  ttatccgctc  acaattccac  acaacatacg  agccggaaagc  ataaagtgtg  aagcctgggg  tgcctaatag  gtgagctaac  toacattaat
1201  tgcggttgcg  tcaactgccc  ctttccagtc  gggaaacctg  tcgtgccagc  tgcattaatg  aatcggccaa  cgccggggga  gaggcgggtt  gcgtattggg
1301  cgctcttcgg  cttctcggct  cactgactcg  ctgctcggg  tcgttcggct  gccggcagcg  gtatcagctc  actcaaaagg  ggtaatacgg  ttatccacag
1401  aatcagggga  taacgcagga  aagaacatgt  gagcaaaagg  ccagcaaaag  gccaggaacc  gtaaaaaggc  cgcgctgctg  gcgtttttcc  ataggctcgg
1501  cccccctgac  gagcatcaca  aaaatcgacg  ctcaagtcag  aggtggcgaa  acccgacagg  actataaaga  taccaggcgt  tccccctgg  aagctccctc
1601  gtgctctctc  ctgttccgac  cctgcccgtt  acoggatacc  tgtccgcctt  tctcccttg  ggaagcgtgg  cgcttttcca  atgctcacgc  tgttagtatc
1701  tcagttcggg  gtaggctggt  cgtccaagc  tgggctgtgt  gcaagcaacc  cccgttcagc  ccgaccgctg  cgcttatcc  ggtaaactatc  gtcttgagtc
1801  caaccoggtg  agacacgact  tatcgccact  ggcagcagcc  actggtaaac  ggattagcag  agcagggat  gtaggcggtg  ctacagagtt  cttgaagtgg
1901  tggcctaact  acggctacac  tagaaggaca  gtatttggta  tctgcgctct  gctgaagcca  gttaccttcg  gaaaaagagt  tggtagctct  tgatccggca
2001  aacaaaccac  cgctggtagc  ggtggttttt  ttgtttgcaa  gcagcagatt  acgcgcagaa  aaaaaggatc  tcaagaagat  cctttgatct  tttctacggg
2101  gtctgacgct  cagtggaacg  aaaactcag  ttaagggatt  ttggtcatga  gattatcaaa  aaggatcttc  acctagatcc  ttttaaatg  aaaatgaagt
2201  tttaaatcaa  tctaaagtat  atatgagtaa  acttggctcg  acagttacca  atgcttaate  agtgagggca  ctatctcagc  gatctgtcta  tttcgttcac
2301  ccatagttgc  ctgactcccc  gtcgtgtaga  taactacgat  acgggagggc  ttaccatctg  gccccagtcg  tgcaatgata  ccgcgagacc  cacgctcacc
2401  ggctccagat  ttatcagcaa  taaaccagcc  agccggagg  gccagcgca  gaagtggctc  tgcaacttta  tccgcctcca  tccagtctat  taattgttgc
2501  cgggaagcta  gagtaagtag  ttcgccagtt  aatagtttgc  gcaacgttgt  tgccattgct  acaggcatcg  tgggtgcag  ctcgctggtt  ggtatggctt
2601  cattcagctc  cggttcccaa  cgatcaaggc  gagttacatg  atccccatg  ttgtgcaaaa  aagcggttag  ctccctcgg  cctccgatcg  ttgtcagaag
2701  taagttggcc  gcagttttat  cactcatggt  tatggcagca  ctgcataatt  ctcttactgt  catgcatcc  gtaagatgct  tttctgtgac  tggtagtagc
2801  tcaaccaagt  cattctgaga  atagtytatg  cggcgaccga  gttgctcttg  cccggcgtca  atacgggata  ataccgccc  acatagcaga  actttaaaag
2901  tgctcatcat  tggaaaacgt  tcttcggggc  gaaaactctc  aaggatctta  ccgctgttga  gatccaagtc  gatgtaaccc  actcgtgcac  ccaactgatc
3001  ttcagcatct  tttactttca  ccagcgtttc  tgggtgagca  aaaacaggaa  ggcataaatgc  cgcaaaaag  ggaataaagg  cgacacggaa  atggtgaata
3101  ctcatactct  tcctttttca  atattattga  agcatttacc  agggttattg  tctcatgagc  ggatacatal  ttgaatgtat  ttgaaaaaat  aaacaatag
3201  gggttccgcg  cacatttccc  cgaaaagtcg  cacctgacgt  ctaagaaacc  attattatca  tgacattaac  ctataaaaat  aggcgtatca  cgaggccctt
3301  tcgtc

```

> RDC1540 Translated Insert Sequence

```

1   maqqcfhsey  fdsllhackp  chlrcsnppa  tcqpycdpsv  tssvkgtytv  lwiflgltlv  lslalftisf  llrkmpneal  kdepqspgql  dgsaqldkad
101  teltriragd  drifprslay  tveectcedc  vkskpkgsds  hfffpamee  gatilvttk  gdygkssvpt  alqsvmgmek  pthtr

```