*m*TREM-3 VersaClone cDNA

Catalog Number: RDC1096

Specifications:

Gene:	*m*Trem3
Accession:	NP_067382
Insert size:	564bp
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.

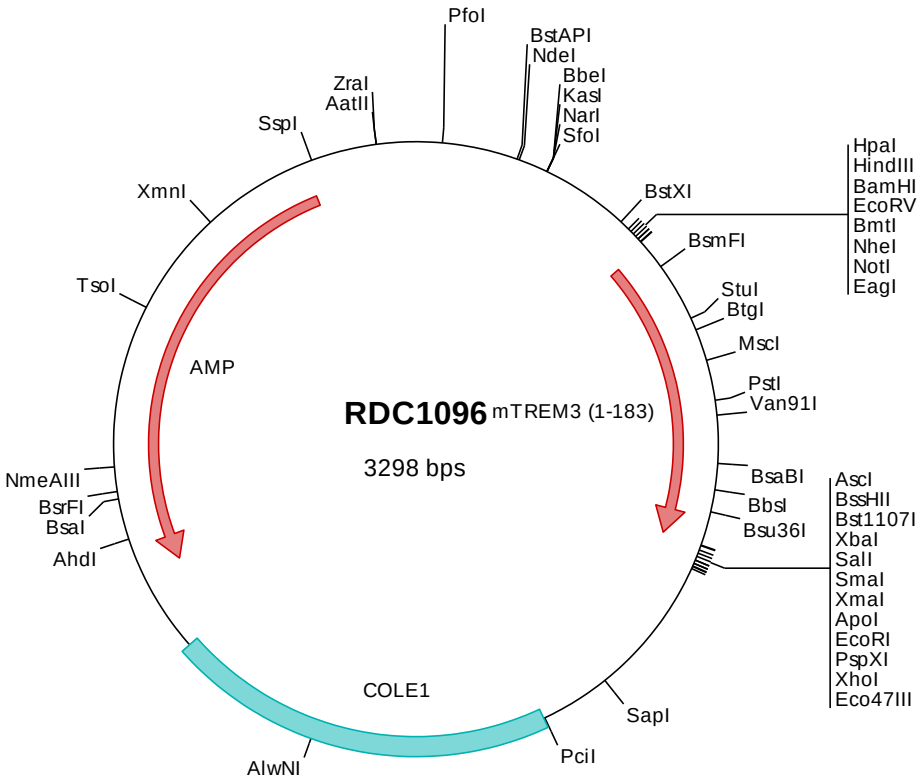
Preparation and Storage

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.

*m*TREM-3 cDNA Plasmid

Trem3 triggering receptor expressed on myeloid cells 3
[*Mus musculus* (house mouse)]

Summary:
TREM3 is part of the immunoglobulin and lectin-like superfamily and is thought to function as part of the innate immune system. TREM3 has been reported to associate with the adaptor protein Dap-12 to form a receptor signaling complex that activates myeloid cells. TREM3 is expressed in macrophage cell lines and at low levels in T cell lines, but not in NK, B cell, or mast cell lines.



> RDC1096 Plasmid DNA Sequence

```
   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgtcaccgc tgctgctatg gctggggctg atgctctgtg tctcgggact
 501  ccaagctgga gatgaggaag aacacaagtg ttttctggag ggcgagaacc tgaccctgac ttgtccttac aacatcatgc tatactcact gagcctgaag
 601  gcctggcagc gggtcagaag ccacggttct ccagagactc tggtgctcac aaacaccaga aaggcagact tcaacgtggc cagggctggg aagtacttgc
 701  tggaggatta tcccaccgaa tctgtcgtca aggtcacggt gactgggctg cagaggcaag atgtggggct gtaccagtgt gtggtctacc tctctcctga
 801  caatgttatc attctgcgtc aacggatacg gctggcatgg tgtcaaggga agcccgtgat ggtgatcgtt ctgacgtgtg gcttcatact aaacaagggc
 901  ctggtcttct cagtcctgtt tgtctttctc tgcaaagctg ggcctaaggt gttacagcct tccaagacat ccaaagtaca gggagtctct gagaaacagt
1001  agggcgcgcc agtatactct agagtcgaca cccggggaat tcctcgagcg ctcgtctcta gcttggcgta atcatggtca tagctgtttc ctgtgtgaaa
1101  ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg
1201  cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt gggcgctctt
1301  ccgcttcctc gctcactgac tcgctgcgct cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca cagaatcagg
1401  ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgccccct
1501  gacgagcatc acaaaaatcg acgctcaagt cagaggtggc gaaacccgac aggactataa agataccagg cgtttccccc tggaagctcc ctcgtgcgct
1601  ctcctgttcc gaccctgccg cttaccggat acctgtccgc ctttctccct tcgggaagcg tggcgctttc tcaatgctca cgctgtaggt atctcagttc
1701  ggtgtaggtc gttcgctcca agctgggctg tgtgcacgaa ccccccgttc agcccgaccg ctgcgcctta tccggtaact atcgtcttga gtccaacccg
1801  gtaagacacg acttatcgcc actggcagca gccactggta acaggattag cagagcgagg tatgtaggcg gtgctacaga gttcttgaag tggtggccta
1901  actacggcta cactagaagg acagtatttg gtatctgcgc tctgctgaag ccagttacct tcggaaaaag agttggtagc tcttgatccg gcaaacaaac
2001  caccgctggt agcggtggtt tttttgtttg caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac ggggtctgac
2101  gctcagtgga acgaaaactc acgttaaggg attttggtca tgagattatc aaaaaggatc ttcacctaga tccttttaaa ttaaaaatga agttttaaat
2201  caatctaaag tatatatgag taaacttggt ctgacagtta ccaatgctta atcagtgagg cacctatctc agcgatctgt ctatttcgtt catccatagt
2301  tgcctgactc cccgtcgtgt agataactac gatacgggag ggcttaccat ctggccccag tgctgcaatg ataccgcgag acccacgctc accggctcca
2401  gatttatcag caataaacca gccagccgga agggccgagc gcagaagtgg tcctgcaact ttatccgcct ccatccagtc tattaattgt tgccgggaag
2501  ctagagtaag tagttcgcca gttaatagtt tgcgcaacgt tgttgccatt gctacaggca tcgtggtgtc acgctcgtcg tttggtatgg cttcattcag
2601  ctccggttcc caacgatcaa ggcgagttac atgatccccc atgttgtgca aaaaagcggt tagctccttc ggtcctccga tcgttgtcag aagtaagttg
2701  gccgcagtgt tatcactcat ggttatggca gcactgcata attctcttac tgtcatgcca tccgtaagat gcttttctgt gactggtgag tactcaacca
2801  agtcattctg agaatagtgt atgcggcgac cgagttgctc ttgcccggcg tcaatacggg ataataccgc gccacatagc agaactttaa aagtgctcat
2901  cattggaaaa cgttcttcgg ggcgaaaact ctcaaggatc ttaccgctgt tgagatccag ttcgatgtaa cccactcgtg cacccaactg atcttcagca
3001  tcttttactt tcaccagcgt ttctgggtga gcaaaaacag gaaggcaaaa tgccgcaaaa aagggaataa gggcgacacg gaaatgttga atactcatac
3101  tcttcctttt tcaatattat tgaagcattt atcagggtta ttgtctcatg agcggataca tatttgaatg tatttagaaa aataaacaaa taggggttcc
3201  gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta tcacgaggcc ctttcgtc
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> RDC1096 Translated Insert Sequence

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101  qrqdvglyqc vvylspdnvi ilrqrirlaw cqgkpvmviv ltcgfilnkg lvfsvlfvfl ckagpkvlqp sktskvqgvs ekq
```