*cyno*β2-Microglobulin VersaClone cDNA

Catalog Number: RDC3372

Specifications:

Gene:	*cyno*B2M
Accession:	Q8SPW0.1
Insert size:	373bp
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

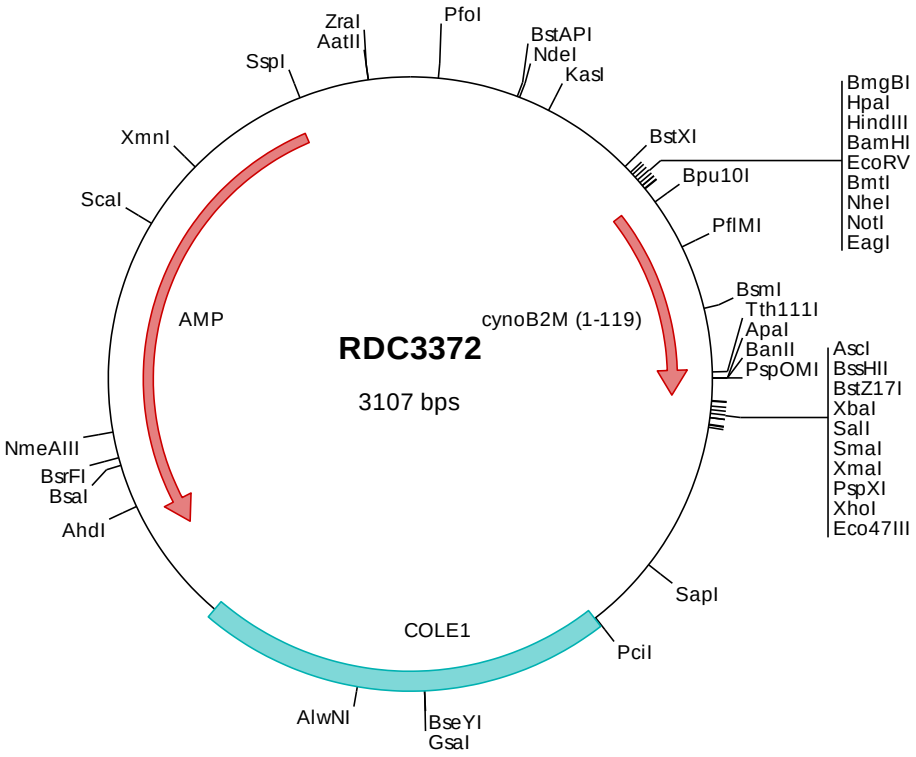
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cyno*β2-Microglobulin cDNA Plasmid

B2M beta-2-microglobulin [Macaca fascicularis (crab-eating macaque)]

Also known as: IMD43

Summary:
B2M is a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. It has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. A mutation in B2M has been shown to result in hypercatabolic hypoproteinemia.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3372 Plasmid DNA Sequence

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   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 atgtctccct cagtggcctt agccgtgctg gcgctactct ctctttctgg
 501  cctggaggct atccagcgta ctccaaagat tcaggtttac tcacgccatc caccagagaa tggaaagcca aatttcctga attgctatgt gtctggattt
 601  catccatctg atattgaagt tgacttactg aagaatggag agaaaatggg aaaagtggag cattcagact tgtctttcag caaagactgg tctttctatc
 701  tcttgtacta cactgaattc acccccaatg aaaaagatga gtatgcctgc cgtgtgaacc atgtgacttt gtcagggccc aggacagtta agtgggatcg
 801  agatatgtaa aggcgcgcca gtatactcta gagtcgacac ccggggaatt cctcgagcgc tcgtctctag cttggcgtaa tcatggtcat agctgtttcc
 901  tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg taaagcctgg ggtgcctaat gagtgagcta actcacatta
1001  attgcgttgc gctcactgcc cgctttccag tcgggaaacc tgtcgtgcca gctgcattaa tgaatcggcc aacgcgcggg gagaggcggt ttgcgtattg
1101  ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc ggtcgttcgg ctgcggcgag cggtatcagc tcactcaaag gcggtaatac ggttatccac
1201  agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa ccgtaaaaag gccgcgttgc tggcgttttt ccataggctc
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1401  tcgtgcgctc tcctgttccg accctgccgc ttaccggata cctgtccgcc tttctccctt cgggaagcgt ggcgctttct caatgctcac gctgtaggta
1501  tctcagttcg gtgtaggtcg ttcgctccaa gctgggctgt gtgcacgaac ccccgttca gcccgaccgc tgcgccttat ccggtaacta tcgtcttgag
1601  tccaacccgg taagacacga cttatcgcca ctggcagcag ccactggtaa caggattagc agagcgaggt atgtaggcgg tgctacagag ttcttgaagt
1701  ggtggcctaa ctacggctac actagaagga cagtatttgg tatctgcgct ctgctgaagc cagttacctt cggaaaaaga gttggtagct cttgatccgg
1801  caaacaaacc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag aaaaaaagga tctcaagaag atcctttgat cttttctacg
1901  gggtctgacg ctcagtggaa cgaaaactca cgttaaggga ttttggtcat gagattatca aaaaggatct tcacctagat ccttttaaat taaaaatgaa
2001  gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa tcagtgaggc acctatctca gcgatctgtc tatttcgttc
2101  atccatagtt gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc tggccccagt gctgcaatga taccgcgaga cccacgctca
2201  ccggctccag atttatcagc aataaaccag ccagccggaa gggccgagcg cagaagtggt cctgcaactt tatccgcctc catccagtct attaattgtt
2301  gccgggaagc tagagtaagt agttcgccag ttaatagttt gcgcaacgtt gttgccattg ctacaggcat cgtggtgtca cgctcgtcgt ttggtatggc
2401  ttcattcagc tccggttccc aacgatcaag gcgagttaca tgatccccca tgttgtgcaa aaaagcggtt agctccttcg gtcctccgat cgttgtcaga
2501  agtaagttgg ccgcagtgtt atcactcatg gttatggcag cactgcataa ttctcttact gtcatgccat ccgtaagatg cttttctgtg actggtgagt
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2701  agtgctcatc attggaaaac gttcttcggg gcgaaaactc tcaaggatct taccgctgtt gagatccagt tcgatgtaac ccactcgtgc acccaactga
2801  tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaaat gccgcaaaaa agggaataag ggcgacacgg aaatgttgaa
2901  tactcatact cttcctttttt caatattatt gaagcattta tcagggttat tgtctcatga gcggatacat atttgaatgt atttagaaaa ataaacaaat
3001  aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat catgacatta acctataaaa ataggcgtat cacgaggccc
3101  tttcgtc
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> RDC3372 Translated Insert Sequence

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101  rvnhvtlsgp rtvkwdrdm
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