*cyno*CRTAM VersaClone cDNA

Catalog Number: RDC2668

Specifications:

Gene:	*cyno*CRTAM
Accession:	XP_005580021
Insert size:	1195bp
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

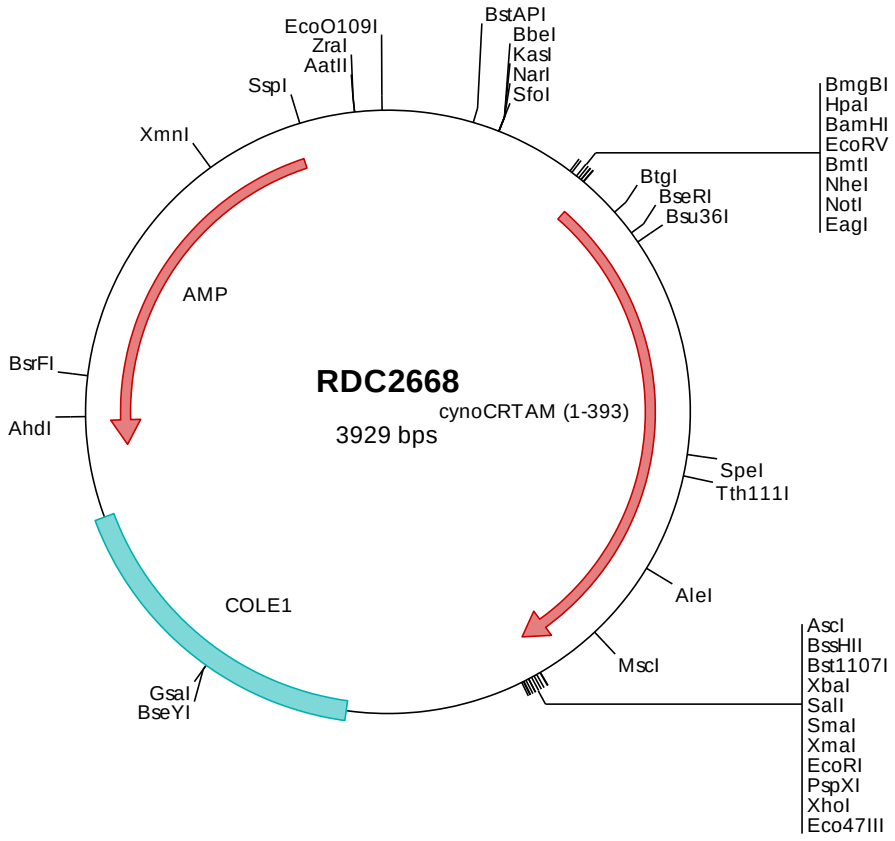
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cyno*CRTAM cDNA Plasmid

CRTAM cytotoxic and regulatory T cell molecule [*Macaca fascicularis* (crab-eating macaque)]

Summary:

CRTAM is a nectin family member of the immunoglobulin superfamily that is expressed by activated $CD8^+$ and NK T cells. CRTAM is found in spleen, thymus, small intestine, peripheral blood, and surprisingly, in brain where it is highly expressed by Purkinje cells of the cerebellum. The V-type Ig-like domain mediates interaction with the corresponding domain on another nectin family member, IGSF4. The high affinity of CRTAM/IGSF4 adhesion allows CRTAM to disrupt IGSF4 homotypic interactions.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC2668 Plasmid DNA Sequence

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 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 atgtggtggg gagtttcag cttgctggct tggttcccct tacaagaggc
 501  ctctctgact aaccacacag aaaccatcac cgtggaggaa ggccagacgc tcactctaaa gtgtgtcact tctctgagga agtcctcctc cctccagtgg
 601  ctgacccccc cagggttcac catttttta aatgagtatc ctgcttttaa aaattccaga taccagcttc ttcatcactc ggccaatcag ctctccatca
 701  gtgtgtctaa cataaccctg caagacgaag gcgtgtacaa gtgcttacat tacagtgact ctgtgagcac aaaggaagtg aaagtgattg tgctggcaac
 801  tcctttcaag ccaatcctgg aagcttcagt tatcagaaag caaaatggag aagaacatgt tgtactcatg tgctccgcca tgagaagcaa gccccctccg
 901  cagataacct ggctacttgg gaatggcgtg gaggtctccg gtggaaccca ccatgaattt gaaactgatg ggaagaaatg taatactacc agcactctca
1001  taatccacac ttatggcaaa aattcaacag tggactgcat tatccggcac agaggcctgc aagggagaaa actagtagca cccttccggt ttgaagattt
1101  ggttactgat gaagagacag cgtcagatgc tctggagaga aactctgtat cctctcaaga cccacagcag cccaccagta ctgtgtcagt aatggaagat
1201  tctagtacat tggaaattga caaagaagag aaagaacaaa ccactcaaga tcctgacttg accaccaaag caaatcctca gtatttagga ttggcaagga
1301  agaaaagtgg catcctgctg ctcacgctgg tgtccttcct catcttcata ctctttatca tagtccagct cttcattatg aagctgcgga aagcacatgt
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1501  tcttcccacc ctgtgcgttg catgaactac atcacaaagt tgtactcaga agcaaaaaca aagaggaagg aaaatgtaca acattcaaaa ttaaacgaaa
1601  agcacaccca agtaccagag actattgtgt aaaggcgcgc cagtatactc tagagtcgac acccggggaa ttcctcgagc gctcgtctct agcttggcgt
1701  aatcatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta
1801  atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg
1901  gggagaggcg gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa
2001  aggcggtaat acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt
2101  gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata aagataccag
2201  gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgaccctgcc gcttaccgga tacctgtccg cctttctccc ttcgggaagc gtggcgcttt
2301  ctcaatgctc acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga acccccgttc agcccgacc gctgcgcctt
2401  atccggtaac tatcgtcttg agtccaaccc ggtaagacac gacttatcgc cactggcagc agccactggt aacaggatta gcagagcgag gtatgtaggc
2501  ggtgctacag agttcttgaa gtggtggcct aactacggct acactagaag gacagtattt ggtatctgcg ctctgctgaa gccagttacc ttcggaaaaa
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2901  cagcgatctg tctatttcgt tcatccatag ttgcctgact ccccgtcgtg tagataacta cgatacggga gggcttacca tctggcccca gtgctgcaat
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3101  tccatccagt ctattaattg ttgccgggaa gctagagtaa gtagttcgcc agttaatagt ttgcgcaacg ttgttgccat tgctacaggc atcgtggtgt
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3601  acccactcgt gcacccaact gatcttcagc atcttttact ttcaccagcg tttctgggtg agcaaaaaca ggaaggcaaa atgccgcaaa aaagggaata
3701  agggcgacac ggaaatgttg aatactcata ctcttccttt ttcaatatta ttgaagcatt tatcagggtt attgtctcat gagcggatac atatttgaat
3801  gtatttagaa aaataaacaa atagggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa
3901  aaataggcgt atcacgaggc cctttcgtc
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> RDC2668 Translated Insert Sequence

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 101  ysdsvstkev kvivlatpfk pileasvirk qngeehvvlm csamrskppp qitwllgngv evsggthhef etdgkkcntt stliihtygk nstvdciirh
 201  rglqgrklva pfrfedlvtd eetasdaler nsvssqdpqq ptstvsvmed sstleidkee keqttqdpdl ttkanpqylg larkksgill ltlvsflifi
 301  lfiivqlfim klrkahviwk kenevsehtl esyrsrsnne etssqekngq sshpvrcmny itklyseakt krkenvqhsk lnekhtqvpe tiv
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