*m*LRRC32/GARP VersaClone cDNA

Catalog Number: RDC2438

Specifications:

Gene:	*m*Lrrc32
Accession:	NP_001106850
Insert size:	2005bp
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

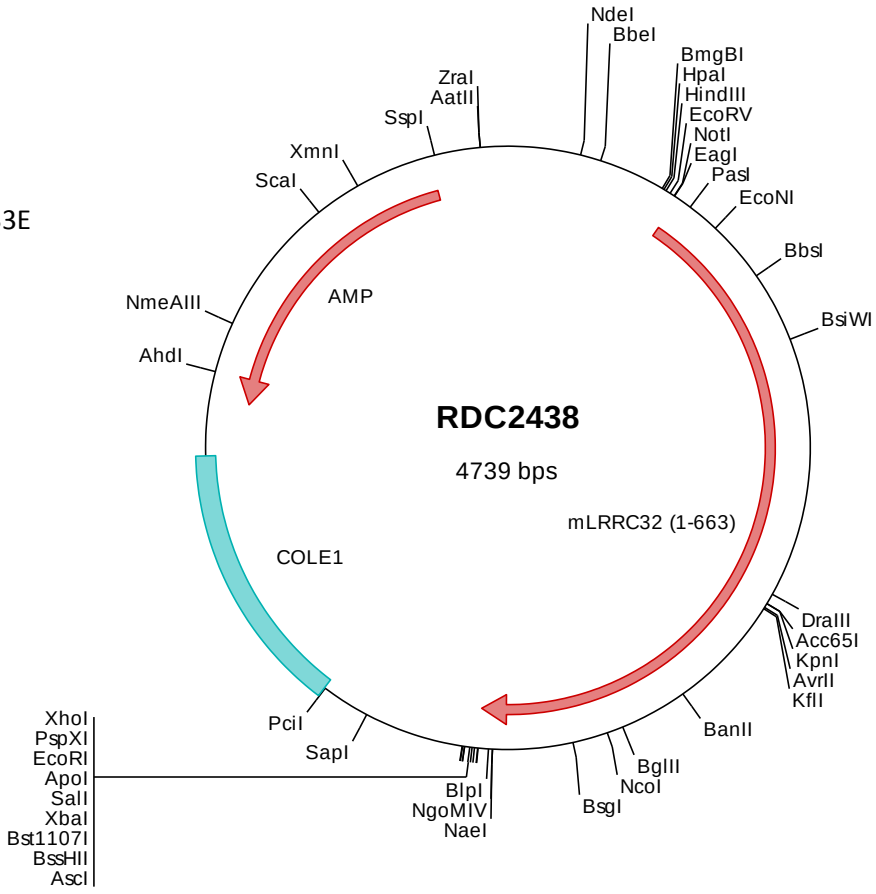
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*LRRC32/GARP cDNA Plasmid

Lrrc32 leucine rich repeat containing 32 [*Mus musculus* (house mouse)]

Also known as: Garp; AI426318; EG434215; D11S833Eh; D7H11S833E

Summary:
LRRC32 is a type I transmembrane glycoprotein. It is widely expressed during embryogenesis and on adult platelets. LRRC32 expression promotes the acquisition of a Treg phenotype including reduced cellular proliferation, reduced cytokine secretion, and the capacity to suppress the proliferation of naïve T cells. LRRC32 binds directly to the TGF-beta latency associated peptide (LAP) and tethers latent TGF-beta on the surface of activated Treg cells. The presentation of TGF-beta on Tregs contributes to their ability to suppress naïve T cell proliferation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2438 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 atgagccacc agatcctgct gctcctggcc atgctgaccc tgggcctggc
 501  tatctctcag cgtcgagagc aagtgccctg taggacggtg aacaaggagg ccttgtgcca cggccttggc ctgctccagg tcccctcggt gctctcactg
 601  gacatccaag ctctctactt gtccgggaac caactgcaga gcatcctggt ctccccactg ggcttctata cagcgcttcg tcacctggat ttaagtgaca
 701  accagattag cttcctccag gctggggtct tccaggccct gccctacctg gagcacctta acctggccca caatcggctt gccacaggca tggctctcaa
 801  cagtggtggt ctgggccgcc tgccccttttt ggtctccctg gacctgtctg ggaacagcct gcatggcaat ctggtggagc gactgttggg tgagaccccg
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1501  tgcctgcgat cctttgaggc tcgacaagtg gactccctgc cctgcctggt gcttttggac ttgagccaca atgtgctgga agcattagaa ctgggtacca
1601  aagtcctagg gtccctgcag acgttgcttc tgcaggacaa tgccttgcaa gaacttccac cctatacctt tgccagcctg gccagcctgc agaggctaaa
1701  cctacagggg aaccaggtca gtccctgtgg ggggccagca gaaccaggtc ccccgggctg tgtggacttc tctgggatcc ccacccttca tgttcttaac
1801  atggcaggga actcgatggg aatgctcagg gcggggcagct tccttcacac cccacttaca gagctggacc tctccaccaa tcctggtctg gatgtggcca
1901  cgggagccct ggtgggcctg gaggcatcct tagaggtact ggagcttcaa ggcaacgggc tgactgtctt gagagtggac ttgccctgct ttctccgtct
2001  caagcgcctt aaccttgctg agaaccagtt aagccacctg cccgcttgga cgcgggctgt gtccctggag gtgctagatc tgcggaacaa cagcttcagc
2101  ctcctgccag gcaatgccat gggtggcctg gagaccagtc tccggcggct gtacttgcag ggaaatccac tcagctgctg tggcaatggc tggctggcgg
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2301  ggattgcgag aagggtggtc tgaagaatgt caacctcatc ctcctcctca gcttcacact ggtctctgcc atcgtcctca ccacgctggc caccatctgc
2401  ttcctccgcc ggcagaagct cagccaacaa tacaaagcct aaaggcgcgc cagtatactc tagagtcgac acccggggaa ttcctcgagc gctcgtctct
2501  agcttggcgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct
2601  ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg
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2801  gctcactcaa aggcggtaat acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa
2901  aggccgcgtt gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata
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4601  atatttgaat gtatttagaa aaataaacaa ataggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat
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> RDC2438 Translated Insert Sequence

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 201  thlnlsrnsl tcisdfslqq lqvldlscns ieafqtapep qaqfqlawld lrenkllhfp dlavfprliy lnvsnnliql paglprgsed lhapsegwsa
 301  splsnpsrna sthplsqlln ldlsyneiel vpasflehlt slrflnlsrn clrsfearqv dslpclvlld lshnvleale lgtkvlgslq tlllqdnalq
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 501  gngltvlrvd lpcflrlkrl nlaenqlshl pawtravsle vldlrnnsfs llpgnamggl etslrrlylq gnplsccgng wlaaqlhqgr vdvdatqdli
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