*h*CD300a/LMIR1 VersaClone cDNA

Catalog Number: RDC1553

Specifications:

Gene:	*h*CD300A
Accession:	NP_009192
Insert size:	913bp
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

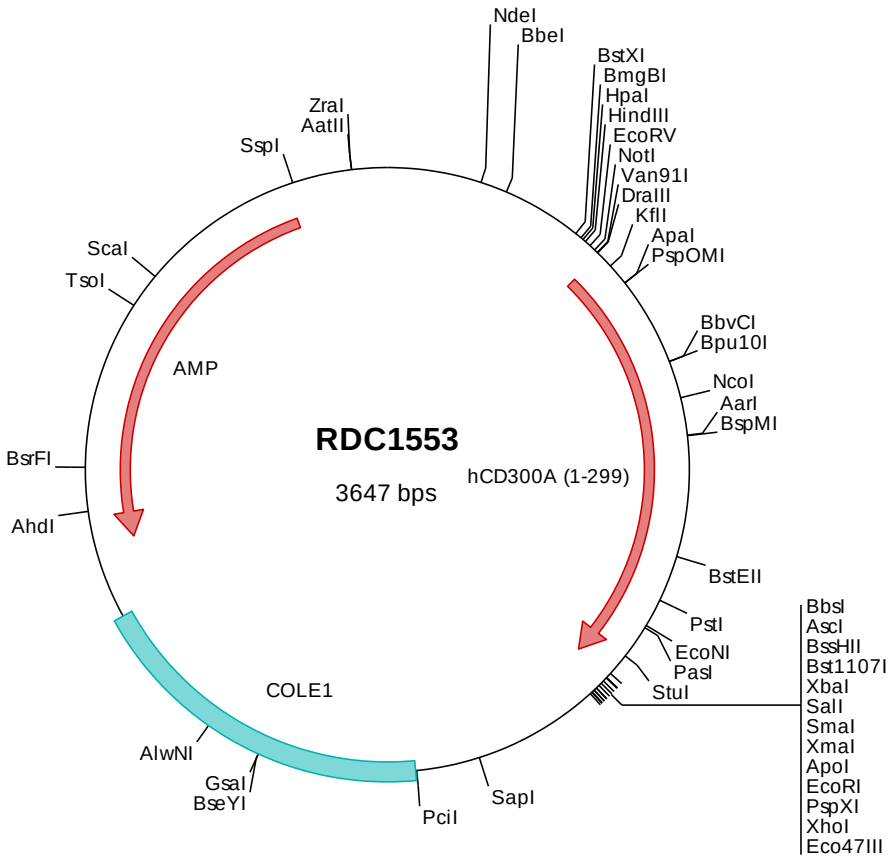
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*CD300A/LMIR1 cDNA Plasmid

CD300A CD300a molecule
[*Homo sapiens* (human)]

Also known as: IRC1; IRC2; CLM-8; IRp60; IGSF12; CMRF35H; CMRF-35H; CMRF35-H; CMRF35H9; CMRF35-H9; IRC1/IRC2; CMRF-35-H9

Summary:
CD300A is a member of the immunoglobulin superfamily. It is expressed on peripheral blood eosinophils, mast cells, neutrophils, plasmacytoid dendritic cells, and various T cell subsets. Antibody crosslinking of CD300A induces phosphorylation of tyrosine residues in the cytoplasmic domain. This leads to the recruitment of phosphatases SHIP, SHP-1, and SHP-2 and inhibition of NK cell, eosinophil, and mast cell activation. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1553 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 atgtggctgc cttgggctct gttgcttctc tgggtcccag gatgttttgc
 501  tctgagcaaa tgcaggaccg tggcgggccc cgtgggggga tccctgagtg tgcagtgtcc ctatgagaag gaacacagga ccctcaacaa atactggtgc
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 701  tcagcttcac agtgaccctg gagaatctca cagaggagga tgcaggcacc tactggtgtg gggtggatac accatggctc cgagactttc atgatcccgt
 801  tgtcgaggtt gaggtgtccg tgttcccggc atcaacgtca atgacacctg caagtatcac tgcggccaag acctcaacaa tcacaactgc atttccacct
 901  gtatcatcca ctaccctgtt tgcagtgggt gccacccaca gtgccagcat ccaggaggaa actgaggagg tggtgaactc acagctcccg ctgctcctct
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1201  gtggaggtgg aatacagcac tgtggcctcc cccagggaag aacttcacta tgcctcggtg gtgtttgatt ctaacaccaa caggatagct gctcagaggc
1301  ctcgggagga ggaaccagat tcagattaca gtgtgataag gaagacataa aggcgcgcca gtatactcta gagtcgacac ccggggaatt cctcgagcgc
1401  tcgtctctag cttggcgtaa tcatggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg
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1601  tgaatcggcc aacgcgcggg gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc ggtcgttcgg ctgcggcgag
1701  cggtatcagc tcactcaaag gcggtaatac ggttatccac agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa
1801  ccgtaaaaag gccgcgttgc tggcgttttt ccataggctc cgccccctg acgagcatca caaaaatcga cgctcaagtc agaggtggcg aaacccgaca
1901  ggactataaa gataccaggc gtttcccccct ggaagctccc tcgtgcgctc tcctgttccg accctgccgc ttaccggata cctgtccgcc tttctccctt
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2601  tcagtgaggc acctatctca gcgatctgtc tatttcgttc atccatagtt gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc
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2801  cctgcaactt tatccgcctc catccagtct attaattgtt gccgggaagc tagagtaagt agttcgccag ttaatagttt gcgcaacgtt gttgccattg
2901  ctacaggcat cgtggtgtca cgctcgtcgt ttggtatggc ttcattcagc tccggttccc aacgatcaag gcgagttaca tgatccccca tgttgtgcaa
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3401  gccgcaaaaa agggaataag ggcgacacgg aaatgttgaa tactcatact cttcctttt caatattatt gaagcattta tcagggttat tgtctcatga
3501  gcggatacat atttgaatgt atttagaaaa ataaacaaat aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat
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> RDC1553 Translated Insert Sequence

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 201  wrmfqkwika gdhselsqnp kqaatqselh yanlellmwp lqekpappre veveystvas preelhyasv vfdsntnria aqrpreeepd sdysvirkt
```