*h*CD53 VersaClone cDNA

Catalog Number: RDC0072

Specifications:

Gene:	*h*CD53
Accession:	NP_000551
Insert size:	672bp
Package size:	10µg at 0.2µg/µL

*h*CD53 cDNA Plasmid

CD53 CD53 molecule
[*Homo sapiens*]

Also known as: MOX44; TSPAN25

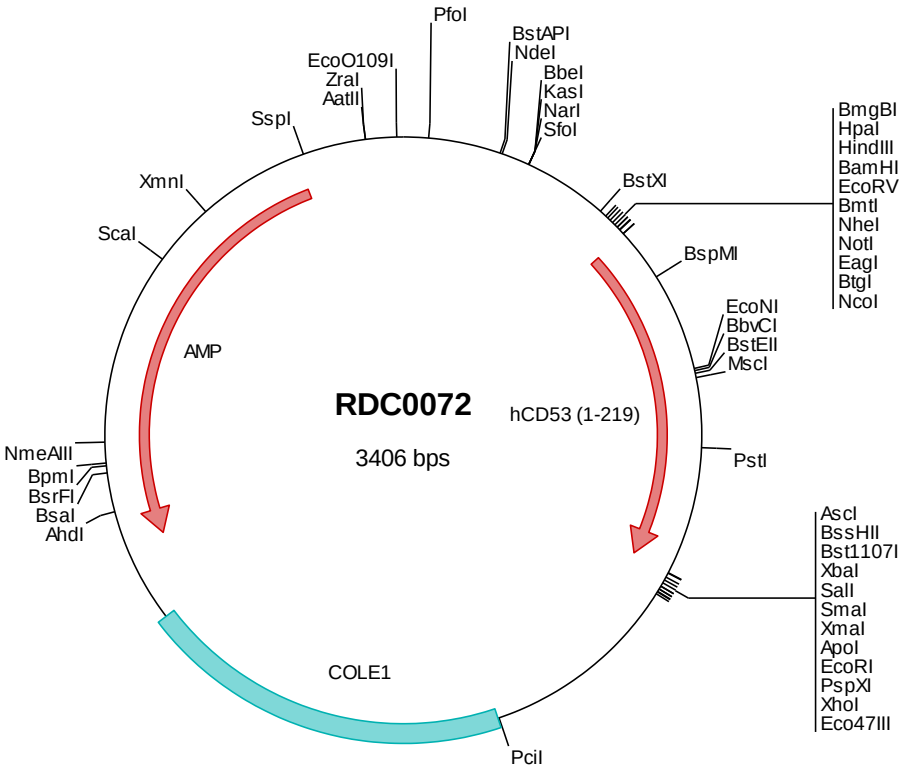
Summary:
CD53 cell surface and endosomal membrane glycoprotein is a member of the tetraspanin superfamily. It associates with other tetraspanins, MHC class I and II molecules, and integrin α4β1. CD53 is widely expressed on hematopoietic cells. It promotes cell activation and survival as well as homotypic cell-cell adhesion. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0072 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 atgggcatga gtagcttgaa actgctgaag tatgtcctgt ttttcttcaa
 501  cttgctcttt tggatctgtg gctgctgcat tttgggcttt gggatctacc tgctgatcca caacaacttc ggagtgctct tccataacct cccctccctc
 601  acgctgggca atgtgtttgt catcgtgggc tctattatca tggtagttgc cttcctgggc tgcatgggct ctatcaagga aaacaagtgt ctgcttatgt
 701  cgttcttcat cctgctgctg attatcctcc ttgctgaggt gaccttggcc atcctgctct ttgtatatga acagaagctg aatgagtatg tggctaaggg
 801  tctgaccgac agcatccacc gttaccactc agacaatagc accaaggcag cgtgggactc catccagtca tttctgcagt gttgtggtat aaatggcacg
 901  agtgattgga ccagtggccc accagcatct tgcccctcag atcgaaaagt ggagggttgc tatgcgaaag caagactgtg gtttcattcc aatttcctgt
1001  atatcggaat catcaccatc tgtgtatgtg tgattgaggt gttggggatg tcctttgcac tgaccctgaa ctgccagatt gacaaaacca gccagaccat
1101  agggctatga ggcgcgccag tatactctag agtcgacacc cggggaattc ctcgagcgct cgtctctagc ttggcgtaat catggtcata gctgtttcct
1201  gtgtgaaatt gttatccgct cacaattcca cacaacatac gagccggaag cataaagtgt aaagcctggg gtgcctaatg agtgagctaa ctcacattaa
1301  ttgcgttgcg ctcactgccc gctttccagt cgggaaacct gtcgtgccag ctgcattaat gaatcggcca acgcgcgggg agaggcggtt tgcgtattgg
1401  gcgctcttcc gcttcctcgc tcactgactc gctgcgctcg gtcgttcggc tgcggcgagc ggtatcagct cactcaaagg cggtaatacg gttatccaca
1501  gaatcagggg ataacgcagg aaagaacatg tgagcaaaag gccagcaaaa ggccaggaac cgtaaaaagg ccgcgttgct ggcgtttttc cataggctcc
1601  gcccccctga cgagcatcac aaaaatcgac gctcaagtca gaggtggcga aacccgacag gactataaag ataccaggcg tttcccccctg gaagctccct
1701  cgtgcgctct cctgttccga ccctgccgct taccggatac ctgtccgcct ttctcccttc gggaagcgtg gcgctttctc aatgctcacg ctgtaggtat
1801  ctcagttcgg tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc ccccgttcag cccgaccgct gcgccttatc cggtaactat cgtcttgagt
1901  ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac aggattagca gagcgaggta tgtaggcggt gctacagagt tcttgaagtg
2001  gtggcctaac tacggctaca ctagaaggac agtatttggt atctgcgctc tgctgaagcc agttaccttc ggaaaaagag ttggtagctc ttgatccggc
2101  aaacaaacca ccgctggtag cggtggtttt tttgtttgca agcagcagat tacgcgcaga aaaaaaggat ctcaagaaga tcctttgatc ttttctacgg
2201  ggtctgacgc tcagtggaac gaaaactcac gttaagggat tttggtcatg agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag
2301  ttttaaatca atctaaagta tatatgagta aacttggtct gacagttacc aatgcttaat cagtgaggca cctatctcag cgatctgtct atttcgttca
2401  tccatagttg cctgactccc cgtcgtgtag ataactacga tacgggaggg cttaccatct ggccccagtg ctgcaatgat accgcgagac ccacgctcac
2501  cggctccaga tttatcagca ataaaccagc cagccggaag ggccgagcgc agaagtggtc ctgcaacttt atccgcctcc atccagtcta ttaattgttg
2601  ccgggaagct agagtaagta gttcgccagt taatagtttg cgcaacgttg ttgccattgc tacaggcatc gtggtgtcac gctcgtcgtt tggtatggct
2701  tcattcagct ccggttccca acgatcaagg cgagttacat gatcccccat gttgtgcaaa aaagcggtta gctccttcgg tcctccgatc gttgtcagaa
2801  gtaagttggc cgcagtgtta tcactcatgg ttatggcagc actgcataat tctcttactg tcatgccatc cgtaagatgc ttttctgtga ctggtgagta
2901  ctcaaccaag tcattctgag aatagtgtat gcggcgaccg agttgctctt gcccggcgtc aatacgggat aataccgcgc cacatagcag aactttaaaa
3001  gtgctcatca ttggaaaacg ttcttcgggg cgaaaactct caaggatctt accgctgttg agatccagtt cgatgtaacc cactcgtgca cccaactgat
3101  cttcagcatc ttttactttc accagcgttt ctgggtgagc aaaaacagga aggcaaaatg ccgcaaaaaa gggaataagg gcgacacgga aatgttgaat
3201  actcatactc ttcctttttc aatattattg aagcatttat cagggttatt gtctcatgag cggatacata tttgaatgta tttagaaaaa taaacaaata
3301  ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc acgaggccct
3401  ttcgtc
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> RDC0072 Translated Insert Sequence

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101  illfvyeqkl neyvakgltd sihryhsdns tkaawdsiqs flqccgingt sdwtsgppas cpsdrkvegc yakarlwfhs nflyigiiti cvcvievlgm
201  sfaltlncqi dktsqtigl
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