

Specifications:

Gene:	hCD43
Accession:	NP_003114
Insert size:	1216bp
Package size:	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.

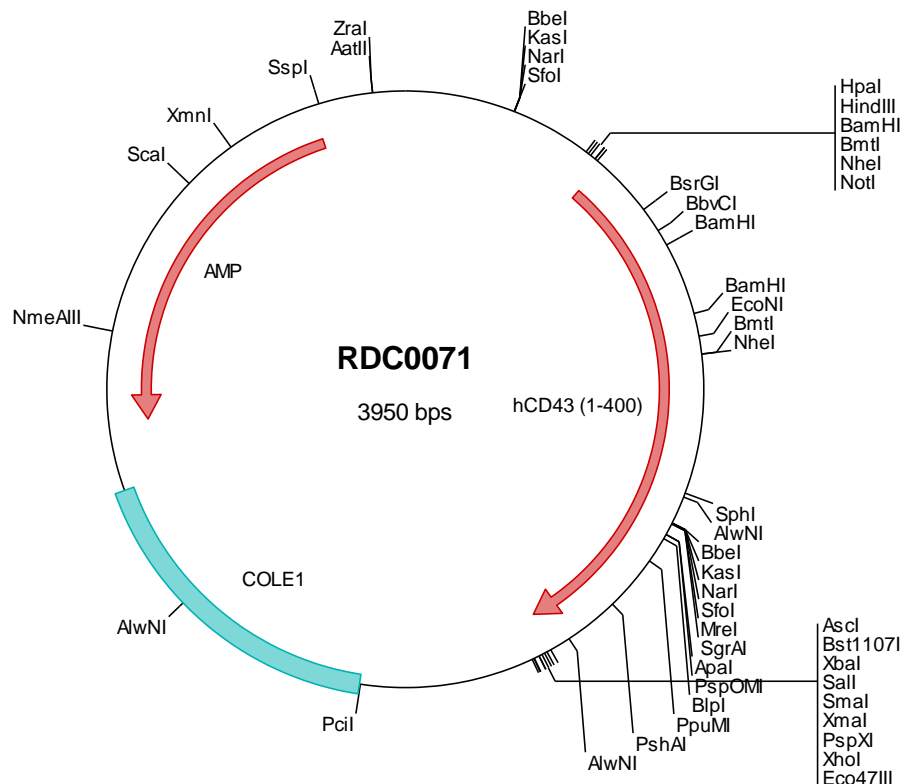
hCD43 cDNA Plasmid

SPN sialophorin
[*Homo sapiens*]

Also known as: LSN; CD43; SPN;
GPL115; GALGP

Summary:

CD43 is a major type I transmembrane sialated mucin that is expressed on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. CD43 restricts leukocyte adhesion and modulates T-cell activation. During T-cell activation, it is actively removed from the T-cell antigen-presenting cell contact site, suggesting a negative regulatory role in adaptive immune response.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0071 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taacgacgct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tetgtagcgc gggcgcacc atggccaagc ttctctctct ccttgggggt ctgggtgtaa gccagacgc
501 tctggggagc acaacagcag tgcagacacc cacctccgga gagccttgg tctctactag cgagcccctg agctcaaaga tgtacaccac ttcaataaca
601 agtgaoccta aggcogacag cactggggac cagacctcag cctaccctcc ctaacttcc atcaatgagg gatccccctt ttggacttcc attgtgcca
701 gcactggttc ccctttacct gagccaacaa cctaccagga agtttccatc aagatgtcat cagtgcacca gaaaccctct catgcaacca gtcactctgc
801 tgttccocata acagcaaaact ctctaggatc ccacaccgtg acagggtgaa ccataacaac gaactctcca gaaacctcca gtaggaccag tggagcccct
901 gttaccacgg cagctagctc tctggagacc tccagaggca cctctggacc cctcttacc atggcaactg tctctctgga gacttccaaa ggacctctg
1001 gaccocctgt tccataggca actgactctc tggagacctc cactgggacc actggacccc ctgttaccat gacaactggc tctctggagc cctccagcgg
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1701 cgctcgtctc tagcttggcg taatcatggt catagctggt tctctgtgta aattgttctc cgctcaaat tccacacaac atacgagccg gaagcataaa
1801 gtgtaaaacc tgggggtgct aatgagtgag ctaactcaca ttaattgctg tgcgctcact gcccgcttct cagtccggaa acctgtctgt ccagctgcat
1901 taatgaatcg gccaacgcgc ggggagaggc ggtttgcgta ttgggcgctc tcccgcttcc tgcctcactg actcgtctcg ctcggctggt ccgctgcggc
2001 gagcggatc agctcaactca aaggcggtaa tacggttctc cacagaatca ggggataacg caggaagaa catgtgagca aaaggccagc aaaaggccag
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2401 tcagcccagc cgtctgcccct tatccggtaa ctatcgtctt gactccaacc cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt
2501 agcagagcga ggtatgtagg cgtgtctaca gacttcttga agtgggtggc taactacggc tacactagaa ggacagtatt tggatctgca gctctgctga
2601 agccagttac cttcggaaaa agagttggtg gctcttgatc cggcaaaaa accaccctg gtagcgggtg ttttttggtt tgcaagcagc agattacggc
2701 cagaaaaaaa ggatctcaag aagatccttt gatcttttct acggggtctg acgctcagtg gaacgaaaac tcacgttaag ggttttgggt catgagatta
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2901 taatcagtgga ggcaacctatc tcagcgatct gtctatcttc ttcacccata gttgcctgac tccccgtcgt gtagataact acgatacggg agggcttacc
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3201 ttgtctacagg catcgtggtg tcacgctcgt cgtttgggat ggtctcattc agctccggtt cccaacgato aaggcgagtt acatgatccc ccatgttgg
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3401 actgtcaatgc cctcgttag atgcttttct gtgactggtg agtactcaac caagtctc atcattggaa aacgttcttc ggggcccgaaa ctctcaagga tcttaccgct
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3701 aatgcgcgcaa aaaagggaat aagggcgaca cggaaatggt gaatactcat actcttctct tttcaatatt attgagcat ttatcaggtt tattgtctca
3801 tgagcggata cataattgaa tgtatttaga aaaaaataaca aatagggggt ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat
3901 tatcatgaca ttaacctata aaaataggcg tatcagcagg ccctttctgc

> RDC0071 Translated Insert Sequence

1 matlllllgv lvvspdalgs ttavqtpstg eplvstsepl sskmyttsit sdpkadtgd qtsalppsts inegsplwts igastgsplp eptytqevsi
101 kmssvpqetp hatshpavpi tanslgshv ttggtittns etssrtsgap vttaasslet srgtsgpplt matvsletsk gtspppvtma tdsletstgt
201 tgpvptmttg slepssgag pqvsvsklst mmspttstna stvpfrnpde nsrgmlpvav lvallavivl vallllwrrr qkrtrgalvl srggkrngvv
301 dawagpaqvp eegavtvvvg gsggdksygf pdgegsrrp tltttffrrk srqslamee lksygspslk geeepvlase dgavdapapd epegdgaap