

Specifications:

Gene:	mCd22
Accession:	NP_033975.3
Insert size:	2620bp
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.

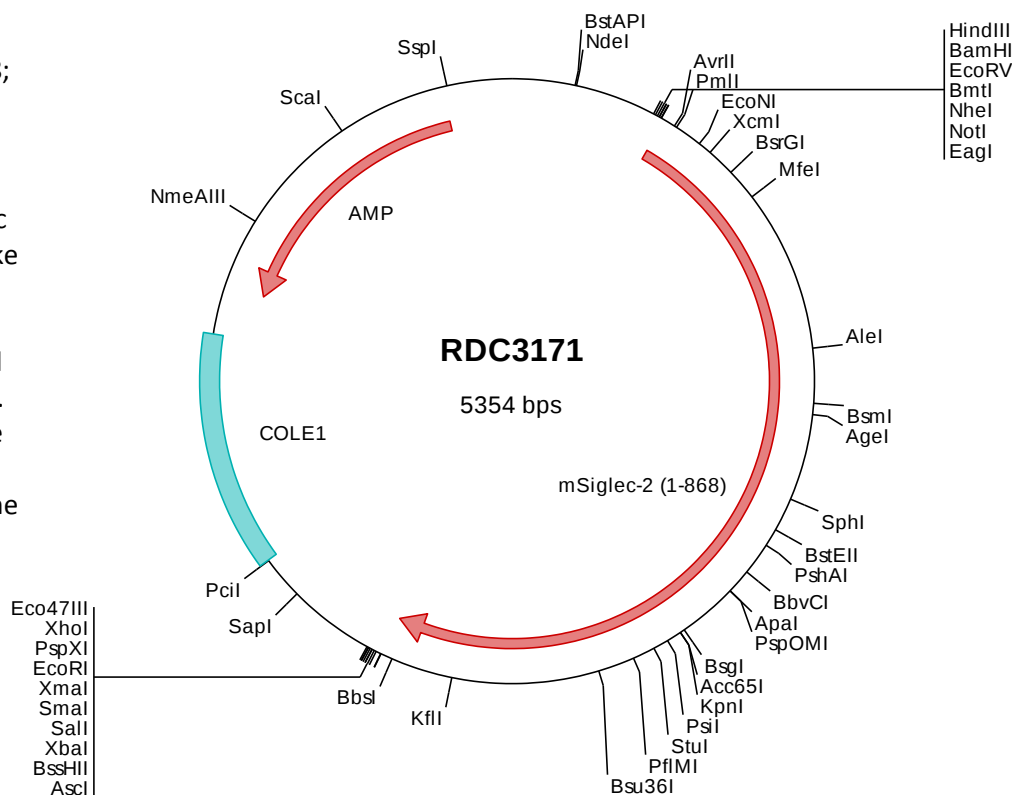
mSiglec-2/CD22 cDNA Plasmid

Cd22 CD22 antigen [*Mus musculus* (house mouse)]

Also known as: Lyb; Lyb-; Lyb8; Lyb-8; A530093D23

Summary:

Siglec-2 is a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. It is expressed in the cytoplasm of progenitor B and pre-B cells and on the surface of mature B cells. Siglec-2 is an adhesion molecule that preferentially binds alpha 2,6- linked sialic acid on the same (cis) or adjacent (trans) cells. Interaction of CD22 with trans ligands on opposing cells was found to be favored over the binding of ligands in cis.



> RDC3171 Plasmid DNA Sequence

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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgcccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgtaatt
401  ggagacgctg taacaagctt ggaatccgata tcgctagcgc ggccggccacc atgcgcgtcc attacotgtg gctcctcttg atcctaggac acgtggcttc
501  ggctcgggtac agctcagcaa atgattggac cgttgaccat ccccaaaacc tctttgcctg ggaggggagc tgcacagga ttccttgcaa gtacaaaact
601  ccaactacca aggcacgtct ggacaacatc ctctcttttc agaactatga gtttgacaag gccaccaaga aattcacagg aactgtctgt tacaacgcc
701  caaagactga gaaggaccca ggtcttgagc tgtacotttc taagcaaggag agagtaacat ttctggggaa cagaatagac aattgtaccc tgaaaatcca
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> RDC3171 Translated Insert Sequence

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201  tsitssvtss iknvyteskl tfqpkwdthg ksvkqcqvhs skvlsertrv ldvkytpkle ikvnptevek nnsvtmtcrv nssnpklrtv avswfkdgpr
301  ledqelegq qmskilihsv tkdmrgkyrc qasndigpge seeveltvyh apepsrvhiy pspaeegqsv eliceslasp satnytwyhn rkpipgdtqe
401  klripkvspw hagnysclae nrlghgkidg eakldvhyap kavttviqsf tpilegdsvt lvcrynsnp dvtsyrwnpq gsvslkpgv lriqkvtwds
501  mpvscaacnh kcswalpvil nvhyaprdvk vlkvspasei ragqrvllqc dfaesnpaev rffwkknsl vqegrylsfg svspedsqny ncmvnsige
601  tlsqawnlqv lyaprrlrsv ispgdhvmeg kkatlscesd anppisqytw fdssgqdlhs sgqklrlepl evqhtgsyrc kgtngigtge sppstltvvy
701  spetigrkva lglgfcltic ilaiwgmkiq kkwkqnrsqg qlqenssqgs ffvnkkarr tplsgeqqsq gcynpamddt vsyailrfpe sdthntgdag
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