

Recombinant Human CD22 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CD22-158H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD22 MS Standard C13 and N15-labeled recombinant protein (NP_001762) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules.
Molecular Mass	95.8 kDa
AA Sequence	MHLLGPWLLLLVLEYLAFSDSSKWWFEHPETLYAWEGACVWIPCTYRALDGDLESFI LFHNPEYNKNTSKFDGTRLYESTKDGKVPSEQKRVQFLGDKNKNCTLSIHPVHLND SGQLGLRMESKTEKWMERIHNLNVSERPFPPHIQLPPEIQESQEVTLTCLLNFSCYGY PIQLQWLLEGVPMRQAAVTSTSLTIKSVFTRSELKFSPQWSHHGKIVTCQLQDADGK

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FLSNDTVQLNVKHTPKLEIKVTPSDAIVREGDSVTMTCEVSSSNPEYTTVSWLKDGT
 SLKKQNTFTLNLREVTKDQSGKYCCQVSNVGPGRSEEVFLQVQYAPEPSTVQILH
 SPAVEGSQVEFLCMSLANPLPTNYTWYHNGKEMQGRTEEKVHIPKILPWHAGTYSC
 VAENILGTGQRGPGAELDVQYPPKKVTTVIQNPMPIREGDTVTLSCNYNSSNPSVTR
 YEWKPHGAWEEPVLGVLKIQNVGWDNTTIACAACNSWCSWASPVALNVQYAPRDV
 RVRKIKPLSEIHSNGSVSLQCDFSSSHPKEVQFFWEKNGRLLGKESQLNFDSISPED
 AGSYSCWVNNSIGQTASKAWTLEVLYAPRRLRVSMSPGDQVMGKSATLTCESDA
 NPPVSHYTWFDWNNQSLPYHSQKLRLEPVKVQHSGAYWCQGTNSVGKGRSPLST
 LTVYYSPETIGRRVAVGLGSCLAAILAICGLKLQRRWKRTQSQQGLQENSSGQSFFV
 RNKKVRRAPLSEGPLSLGVCYNPMMEDGISYTTLRFPENIPRTGDAESSEMQRPPP
 DCDDTVTYSALHKRQVGDYENVIPDFPEDEGIHYSELIQFGVGERPQAQENVYVIL
 KHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CD22 CD22 molecule [Homo sapiens (human)]

Official Symbol CD22

Synonyms CD22; CD22 molecule; SIGLEC-2; SIGLEC2; B-cell receptor CD22; B-lymphocyte

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cell adhesion molecule; BL-CAM; CD22 antigen; T-cell surface antigen Leu-14; sialic acid-binding Ig-like lectin 2

Gene ID 933

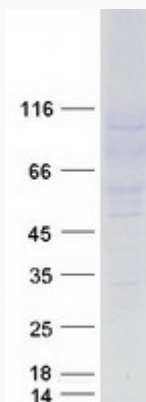
mRNA Refseq NM_001771

Protein Refseq NP_001762

MIM 107266

UniProt ID P20273

SDS-PAGE



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