

Product datasheet for **TP762390**

CD22 (NM_001771) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human CD22 molecule (CD22), transcript variant 1, Asp20-Ala330, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region (Asp20-Ala330) of CD22
Tag:	N-His
Predicted MW:	35.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	>80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001762
Locus ID:	933
UniProt ID:	P20273 , Q0EAF5
RefSeq Size:	3300
Cytogenetics:	19q13.12
RefSeq ORF:	2541
Synonyms:	SIGLEC-2; SIGLEC2



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Summary:

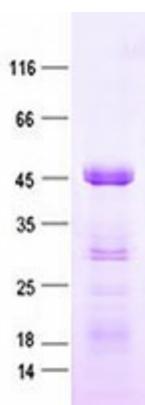
Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on 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. [UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

B cell receptor signaling pathway, Cell adhesion molecules (CAMs), Hematopoietic cell lineage

Product images:

Purified recombinant protein CD22 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.