

## Recombinant Human CD22 Protein, His-tagged

Cat. No. CD22-543H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD22 molecule(CD22), transcript variant 1(NM_001771), with a His tag, was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	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.
<b>Form</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.330, without any preservatives.
<b>Molecular Mass</b>	95.2 kDa
<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
<b>Purity</b>	>90% by SDS-PAGE gel and Coomassie Blue staining

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**Applications** Antigen, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

## GENE INFORMATION

**Gene Name** CD22 CD22 molecule [ Homo sapiens ]

**Official Symbol** CD22

**Synonyms** CD22; CD22 molecule; CD22 antigen; B-cell receptor CD22; sialic acid binding Ig like lectin 2; SIGLEC 2; SIGLEC2; BL-CAM; T-cell surface antigen Leu-14; B-lymphocyte cell adhesion molecule; sialic acid binding Ig-like lectin 2; sialic acid-binding Ig-like lectin 2; SIGLEC-2; FLJ22814; MGC130020;

**Gene ID** 933

**mRNA Refseq** NM\_001185099

**Protein Refseq** NP\_001172028

**MIM** 107266

**UniProt ID** P20273

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