

## Product datasheet for TP316939

### CD22 (NM\_001771) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human CD22 molecule (CD22), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216939 representing NM_001771 Red=Cloning site Green=Tags(s)

MHLLGPWLLLLLVLEYLAFSDSSKWWFEHPETLYAWEGACVWIPCTYRALDGDLESFILFHNPEYNKNTSK  
FDGTRLYESTKDGKVPSEQKRVQFLGDKNKNCTLSIHPVHLNDSGQLGLRMESKTEKWMERIHLNVSERP  
FPPHIQLPPEIQESQEVTLTCLLNFCYGYPIQLQWLLEGVPMRQAAVTSTSLTIKSVFTRSELKFSPQW  
SHHGKIVTCQLQDADGKFLSNDTVQLNVKHTPKLEIKVTPSDAIVREGDSVTMTCEVSSSNPEYTTVSWL  
KDGTSLKKQNTFTLNLREVTKDQSGKYCCQVSNDVGPGRSEEVFLQVQYAPEPSTVQILHSPAVEGSQVE  
FLCMSLANPLPTNYTWYHNGKEMQGRTEEKVHIPKILPWHAGTYSCVAENILGTGQRGPGAELDVQYPPK  
KVTTVIQNPMPPIREGDTVTLSCNYNSSNPSVTRYEWKPHGAWEEPGLVLIQNVGWDNTTIACAACNSW  
CSWASPVALNVQYAPRDVVRKIKPLSEIHSGNSVSLQCDFSSSHPKVQFFWEKNGRLLGKESQLNFDS  
ISPEDAGSYSCWVNSIGQTASKAWTLEVLYAPRRLRVSMSPGDQVMEGKSATLTCESDANPPVSHYTWF  
DWNQSLPYHSQKLRLEPVKVQHSYGAYWCQGTNSVGKGRSPLSTLVVYSPETIGRRVAVGLGSLAILI  
LAICGLKLQRRWKRTQSQQGLQENSSGQSFVRNKKVRRAPLSEGPLSLGCYNPMMEDGISYTTLRFPPEM  
NIPRTGDAESSEMQRPPPCDDTVTYSALHKRQVGDYENVIPDFPEDEGIHYSELIQFGVGERPQAQENV  
DYVILKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

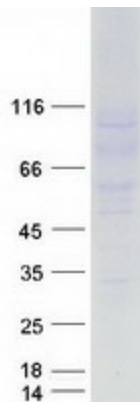
Tag:	C-Myc/DDK
Predicted MW:	95.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001762</a>
<b>Locus ID:</b>	933
<b>UniProt ID:</b>	<a href="#">P20273</a> , <a href="#">Q0EAF5</a>
<b>RefSeq Size:</b>	3300
<b>Cytogenetics:</b>	19q13.12
<b>RefSeq ORF:</b>	2541
<b>Synonyms:</b>	SIGLEC-2; SIGLEC2
<b>Summary:</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.[UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	B cell receptor signaling pathway, Cell adhesion molecules (CAMs), Hematopoietic cell lineage

### Product images:



Coomassie blue staining of purified CD22 protein (Cat# TP316939). The protein was produced from HEK293T cells transfected with CD22 cDNA clone (Cat# [RC216939]) using MegaTran 2.0 (Cat# [TT210002]).