B-Cell Receptor CD22 (CD22) Gorilla Gorilla Gorilla Recombinant Protein

PRODUCT OVERVIEW

Product Name	B-cell receptor CD22 (CD22), Recombinant Protein
Full Product Name	Recombinant Gorilla gorilla gorilla B-cell receptor CD22 (CD22)
Product Gene Name	CD22 recombinant protein
Product Synonym Gene Name	CD22; SIGLEC2
Product Synonym Names	B-cell receptor CD22; Sialic acid-binding Ig-like lectin 2; Siglec-2; CD_antigen=; CD22
Sequence	D SSKWAFEHPE TLYAWEGACV WIPCTYRALD GDLESFILFH NPEYNKNTSK FDGTRLYEST KDGKVPSEQK RVQFLGDKKK NCTLSIHPVH VNDSGQLGLR MESKTEKWME RIHLNVSERP FPPHIQLPPE IQESQEVTLT CLLNFSCYGY PIQLQWLLEG VPMRQAAVTS TSLTIKSVFT RSELKFSPQW SHHGKIVTCQ LQDADGKFLS NDTVQLNVKH TPKLEIKVTP SDAIVREGDS VTMTCEVSSS NPMYTTVSWL KDGTSLKKQN TLTLNLSEVT KDQSGKYYYQ VSNDVGPERS AEVFLQVQYA PE
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	37,789 Da
Sequence Positions	20-332aa; Extracellular domain
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9N1E4
Species	Gorilla gorilla gorilla (Lowland gorilla)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CD22 recombinant protein	MBS1330948 is a recombinant protein targeting CD22. Also known as Recombinant Gorilla gorilla gorilla B-cell receptor CD22 (CD22). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CD22 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD22. It may not necessarily be applicable to this product.

NCBI GI #	24211553
NCBI Accession #	Q9N1E4.1
UniProt Primary Accession #	Q9N1E4
NCBI Official Full Name	B-cell receptor CD22

UniProt Protein Name	B-cell receptor CD22
UniProt Synonym Protein Names	Sialic acid-binding Ig-like lectin 2; Siglec-2; CD_antigen: CD22
Protein Family	B-cell receptor
UniProt Gene Name	CD22
UniProt Synonym Gene Names	SIGLEC2; Siglec-2
UniProt Entry Name	CD22_GORGO
UniProt Comments for CD22	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 (). 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 cascade key molecules.
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