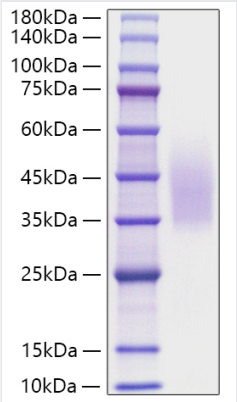
CD320 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD320, Recombinant Protein
Full Product Name	Recombinant Human CD320 Protein
Product Gene Name	CD320 recombinant protein
Product Synonym Names	8D6; 8D6A; TCBLR; TCN2R; TCII-R; sCD320;CD320
Sequence	SPLSTPTSAQ AAGPSSGSCP PTKFQCRTSG LCVPLTWRCD RDLDCSDGSD EEECRIEPCT QKGQCPPPPG LPCPCTGVSD CSGGTDKKLR NCSRLACLAG ELRCTLSDDC IPLTWRCDGH PDCPDSSDEL GCGTNEILPE GDATTMGPPV TLESVTSLRN ATTMGPPVTL ESVPSVGNAT SSSAGDQSGS PTAYGV
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Purity/Purification	>95% by SDS-PAGE.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.
OMIM	AF161254 mRNA
3D Structure	ModBase 3D Structure for Q9NPF0
Species	Human
Tag	C-His
Endotoxin	<0.01EU/ug
Product Categories/Family for CD320 recombinant protein	Bio-Markers & CD Antigens; Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CD320 recombinant protein	CD320 is a heavily glycosylated protein that is expressed as a noncovalent dimer in the kidney, placenta, liver, intestine, and secondary lymphoid organs (3 - 5). It functions as an endocytic receptor for circulating complexes of Cobalamin (Vitamin B12) and Transcobalamin II. In the immune system, CD320 is expressed by germinal center B cells and follicular dendritic cells (FDC) and provides a co?stimulatory signal to B cells during the germinal center reaction (2, 6 - 8). CD320 also cooperates with CD44 in promoting the development of B cell lymphomas.
Other Notes	Small volumes of CD320 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.
Searchable Terms for CD320 purchase	MBS9149056 is a recombinant protein targeting CD320. Also known as Recombinant Human CD320 Protein. Host: HEK293 cells.



SDS-PAGE of CD320 recombinant protein
Recombinant Human CD320 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-45 kDa.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD320. It may not necessarily be applicable to this product.

NCBI GI #	74734303
NCBI GeneID	51293
NCBI Accession #	Q9NPF0.1
UniProt Primary Accession #	Q9NPF0
UniProt Secondary Accession #	Q53HF7; B2RDS5; D6W668; F5H6D3
UniProt Related Accession #	Q9NPF0
UniProt Protein Name	CD320 antigen
UniProt Synonym Protein Names	8D6 antigen
Protein Family	CD320 antigen
UniProt Gene Name	CD320
UniProt Synonym Gene Names	8D6A; TCblR
UniProt Comments for CD320	Receptor for transcobalamin saturated with cobalamin (TCbl) (PubMed:18779389). Plays an important role in cobalamin uptake (PubMed:18779389, PubMed:20524213). Plasma membrane protein that is expressed on follicular dendritic cells (FDC) and mediates interaction with germinal center B cells (PubMed:10727470). Functions as costimulator to promote B cell responses to antigenic stimuli; promotes B cell differentiation and proliferation (PubMed:10727470, PubMed:11418631). Germinal center-B (GC-B) cells differentiate into memory B-cells and plasma cells (PC) through interaction with T-cells and follicular dendritic cells (FDC) (PubMed:11418631). CD320 augments the proliferation of PC precursors generated by IL-10 (PubMed:11418631).
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