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CD320 Protein (AA 36-231) (His tag)



Overview

Quantity:	50 μg
Target:	CD320
Protein Characteristics:	AA 36-231
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD320 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Transcobalamin II Receptor/TCbIR/8D6A/CD320 (C-6His)
Sequence:	SPLSTPTSAQ AAGPSSGSCP PTKFQCRTSG LCVPLTWRCD RDLDCSDGSD EEECRIEPCT
	QKGQCPPPPG LPCPCTGVSD CSGGTDKKLR NCSRLACLAG ELRCTLSDDC IPLTWRCDGH
	PDCPDSSDEL GCGTNEILPE GDATTMGPPV TLESVTSLRN ATTMGPPVTL ESVPSVGNAT
	SSSAGDQSGS PTAYGVVDHH HHHH
Characteristics:	Recombinant Human CD320/TCblR/8D6A is produced by our mammalian expression system
	in human cells. The target protein is expressed with sequence (Ser36-Val231) of Human CD320
	fused with a FC tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 μm filtered
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target:	CD320
Alternative Name:	CD320 (CD320 Products)
Background:	CD320 antigen is also known as 8D6 antigen,FDC-signaling molecule 8D6,Transcobalamin receptor and 8D6A. It is a single-pass type I membrane protein and containing two LDL-receptor class A domains. CD320 has been recently discovered and reported as a follicular dendritic cell (FDC) protein. CD320 can augments the proliferation of plasma cells precursors generated by IL-10. CD320 also founctions a receptor for the cellular uptake of transcobalamin bound cobalamin. Defects in CD320 are the cause of methylmalonic aciduria type TCbIR (MMATC) which is a metabolic disorder.
Molecular Weight:	21.1 kDa
UniProt:	Q9NPF0

Application Details

estrictions:	For Research Use only	
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 $\mu g/mL$. Dissolve the lyophilized protein in ddH20.
	Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 10 mM Tris-Citrate,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.