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## Product Data Sheet

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Product Name: CD320 Human

Cat. No.: GP23045

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD320 antigen isoform 1; CD320; 8D6; 8D6A; TCBLR; FDC-SM-8D6; FDC-signaling molecule 8D6.		
Amino Acid Sequence	LEAAASPLST PTSAQAAGPS SGSCPPTKFQ CRTSGLCVPL TWRCDRDLDC SDGSDEEECR IEPCTQKGQC PPPGLPCPC TGVSDCSGGT DKKLRNCSRL ACLAGELRCT LSDDCIPLTW RCDGHPDCPD SDELGCGTN EILPEGDATT MGPPVTLESV TSLRNATTMG PPVTLESVPS VGNATSSSAG DQSGSPTAYL EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSGGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTQKSLSLSP GKHHHHHHH.		
Formulation	CD320 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4), and 10% glycerol.		

**Introduction**

CD320 is a part of the low-density lipoprotein receptor family, having 2 low-density lipoprotein receptor type A domains divided by a complement-like cysteine-rich region. CD320 participates in cobalamin uptake and internalizes the complex by endocytosis. CD320 is also plays a role as costimulator to promote B cell and follicular dendritic cells responses. CD320 is also known to augment the proliferation of PC precursors generated by IL-10.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

CD320 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 438 amino acids (31-229a.a.) and having a molecular mass of 47.4kDa. (Molecular size on SDS-PAGE will appear at approximately 57-70kDa). CD320 is expressed with a 239 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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