



**Catalog Number:** PR27315

**Product Type:** Recombinant Protein

**Source:** Sf9, Baculovirus Cells

**Amino Acid Sequence:** LEAAASPLST PTSAQAAGPS SGSCPPTKFQ CRTSGLCVPL TWRCDRDLDC SDGSDEEECR IEPCTQKGGC PPPPGLPCPC TGVSDCSGGT DKKLRNCSRL ACLAGELRCT LSDDCIPLTW RCDGHPDCPD SDELGCGTN EILPEGDATT MGPPVTLESV TSLRNATTMG PPVTLESVPS VGNATSSSAG DQSGSPAYL EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDITMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSGGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNN YTQKLSLSLSP GKHHHHHHH.

**Description/Molecular Mass:** 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.

**Purity:** 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.  
Greater than 90.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** CD320 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4), and 10% glycerol.

**Storage:** 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% HSA or BSA). Avoid multiple freeze-thaw cycles.

### FOR RESEARCH USE ONLY

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