# Recombinant Human CD320 Protein

## Catalog No.: RP01815



## Sequence Information

**Species**
Human

**Gene ID**
51293

**Swiss Prot**
Q9NPF0-1

**Tags**
C-His

**Synonyms**
8D6; 8D6A; TCBLR; TCN2R; TCII-R; sCD320;CD320

## Product Information

**Source**
HEK293 cells

**Purification**
≥ 95 % as determined by SDS-PAGE.

**Calculated MW**
20.88 kDa

**Observed MW**
35-45 kDa

**Endotoxin**
< 0.01 EU/μg of the protein by LAL method

**Formulation**
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

**Reconstitution**
Centrifμge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

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.

## Basic Information

**Description**
Recombinant Human CD320 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser36-Val231) of human CD320 (Accession #NP_057663.1) fused with a His tag at the C-terminus.

**Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

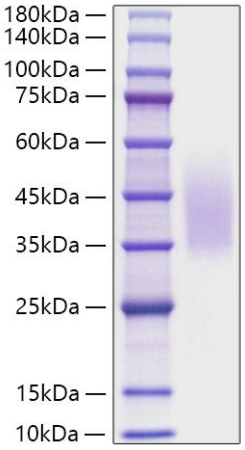
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## Validation Data




Recombinant Human CD320 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.