

Recombinant Human CD320 Protein

Catalog No.: RP01815 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	51293	Q9NPF0-1

Tags

C-His

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
20.88 kDa	35-45 kDa

Endotoxin

< 0.01EU/μg

Formulation

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

Reconstitution

Centrifuge 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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.

Bio-Activity

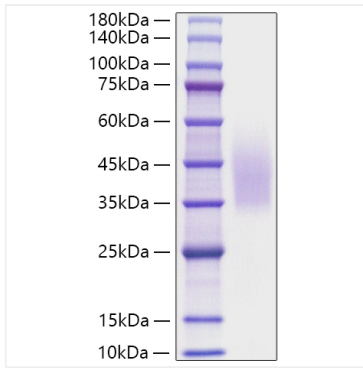
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



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