

For Research Use Only

Recombinant Human CD320 protein (rFc Tag)



Catalog Number: Eg2795

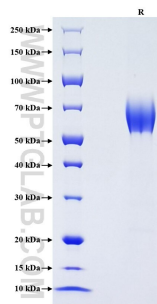
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: C-rFc
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Human CD320 protein Ser36-Tyr229 (Accession# Q9NPF0-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 51293 Accession: Q9NPF0-1 Predicted Molecular Mass: 46.0 kDa SDS-PAGE: 55-70 kDa, reducing (R) condition Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	CD320, also known as 8D6, 8D6A, or TCbLR, is a single-pass type I membrane protein containing 2 LDL-receptor class A domains. Expressed abundantly on follicular dendritic cells (FDCs), CD320 has been shown to enhance the proliferation of germinal center (GC) B cells. It is the receptor for cellular uptake of transcobalamin-bound cobalamin. Defects in CD320 are the cause of methylmalonic aciduria type TCbLR (MMATC).		
References	1. Edward V Quadros, et al. (2009). Blood. 113(1):186-192. 2. Edward V Quadros, et al. (2013). Biochimie. 95(5):1008-1018. 3. Quadros EV, et al. (2005). Biochem Biophys Res Commun. 327:1006-1010.		
Synonyms	CD320, 8D6, 8D6A, FDC-signaling molecule 8D6, FDC-SM-8D6		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human CD320 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) condition and stained using Coomassie blue.