Recombinant Human TCblR/8D6A Protein (Fc Tag)

Catalog No. PKSH033134

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	CD320 antigen;8D6 antigen;FDC-signaling molecule 8D6;FDC-SM-8D6;Transcobalamin receptor;TCblR;CD320
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser36-Val231
Accession	Q9NPF0
Calculated Molecular Weight	47.3 kDa
Observed molecular weight	58-60 kDa
Tag	C-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

CD320 antigen is also known as 8D6 antigen,FDC-signaling molecule 8D6,Transcobalamin receptor and 8D6A. It is a single-pass type I membrane protein and containing two LDL-receptor class A domains. CD320 has been recently discovered and reported as a follicular dendritic cell (FDC) protein. CD320 can augments the proliferation of plasma cells precursors generated by IL-10. CD320 also founctions a receptor for the cellular uptake of transcobalamin bound cobalamin. Defects in CD320 are the cause of methylmalonic aciduria type TCblR (MMATC) which is a metabolic disorder.

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