

RP00070

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Recombinant Human TNFRSF14/HVEM/CD270 Protein

Catalog No.: RP00070

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	8764	Q92956-1

Tags

C-hFc&His

Synonyms

TNFRSF14; ATAR; CD270; HVEA; HVEM; LIG
HTR; TR2

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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 freeze-thaw cycles.

Background

Herpesvirus entry mediator (HVEM), also known as tumor necrosis factor receptor superfamily member 14 (TNFRSF14), is a human cell surface receptor of the TNF-receptor superfamily. Two TNF superfamily ligands lymphotoxin α (TNF-β) and LIGHT (TNFSF14) are identified as cellular ligands for HVEM and initiate the positive signaling.

Basic Information

Description

Recombinant Human TNFRSF14/HVEM/CD270 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Leu 39 - Val 202) of human HVEM (Accession #NP_003811.2) fused with an Fc, 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant human HVEM at 5 μg/mL (100 μL/well) can bind Biotinylated Recombinant human BTLA with a linear range of 1.5-6 μg/mL.

Storage

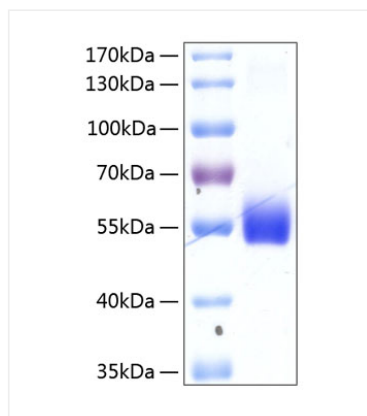
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

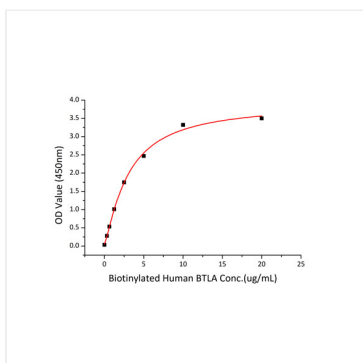


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Validation Data



Recombinant Human TNFRSF14/HVEM/CD270 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 55-66 kDa.



Immobilized Recombinant human HVEM at 5 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Biotinylated Recombinant human BTLA with a linear range of 1.5-6 $\mu\text{g/mL}$.