

Recombinant Human TNFRSF14/HVEM/CD270 Protein

Catalog No.: RP00070 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 8764 092956-1

Tags C-hFc&His

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

Product Information

SourcePurificationHEK293 cells≥ 95 % as

determined by SDS-PAGE.

FAGI

Calculated MW Observed MW

44.13 kDa 50-65 kDa

Endotoxin

< 0.1 EU/ μ g 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 stablizer (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

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, $6\times$ His tag at the C-terminus

Bio-Activity

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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

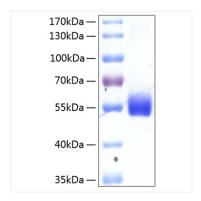
Avoid repeated freeze/thaw cycles.

Operational Notes

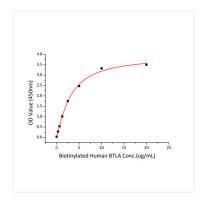
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



Recombinant Human TNFRSF14/HVEM/CD270 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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