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Recombinant

Species	Gene ID	Swiss Prot
Human	8764	O92956-1

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

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
44.13 kDa	50-65 kDa

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

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

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.

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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.

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, 6xHis tag at the C-terminus.

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.

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

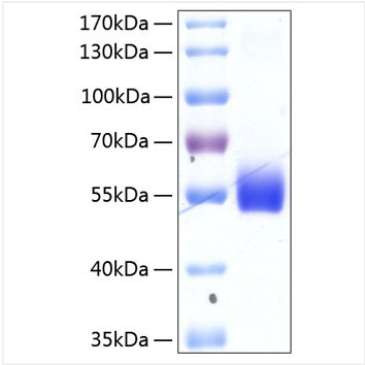
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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

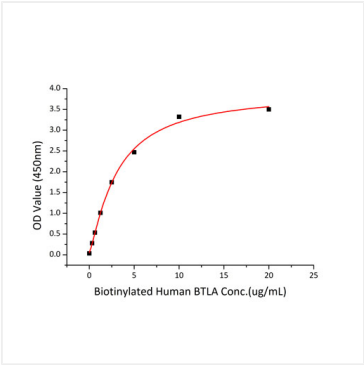
Avoid repeated freeze/thaw cycles.

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

Validation Data



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



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.