

Recombinant Human TNFRSF7/CD27 Protein

Catalog No.: RP00576 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	939	P26842

Tags

C-His

Synonyms

CD27 antigen; Tp55; TNFRSF7; S152; T14; S152. LPFS2; MGC20393; S152CD27L receptor

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE > 95% by HPLC

Calculated MW	Observed MW
18.1 kDa	40-60 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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 free-thaw cycles.

Contact

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Background

CD27, also known as TNFRSF7, is an approximately 55 kDa transmembrane protein in the TNF receptor superfamily. It functions as a co-stimulatory molecule that supports lymphocyte activation and survival. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis.

Basic Information

Description

Recombinant Human TNFRSF7/CD27 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr21-Ile192) of Human TNFRSF7/CD27 (Accession #P26842) fused with a C-His tag at the C-terminus.

Bio-Activity

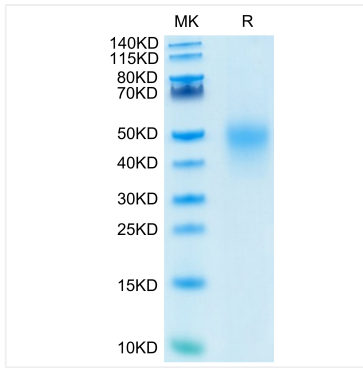
Storage

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

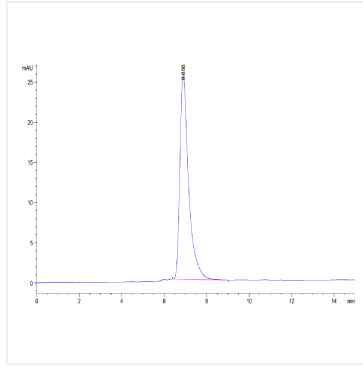
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

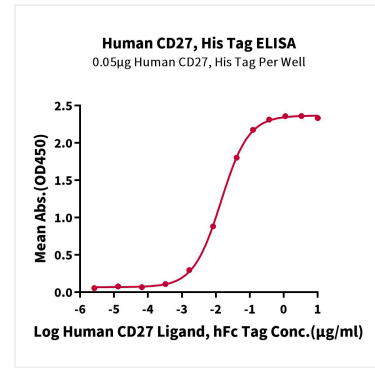
Validation Data



Human CD27 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human CD27 is greater than 95% as determined by SEC-HPLC.



Immobilized Human CD27, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC₅₀ of 14.2ng/mL determined by ELISA.