

Recombinant Human TNFRSF9/4-1BB/CD137 Protein

Catalog No.: RP01698

Sequence Information

Species **Gene ID**
Human 3604

Swiss Prot **Tags**
Q07011 C-6His

Synonyms

ILA; 4-1BB; CD137; CDw137;
TNFRSF9

Product Information

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

Calculated MW **Observed MW**
18.12 kDa 25-35 kDa

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.

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.

Background

CD137 (also known as 4-1BB) is a surface co-stimulatory glycoprotein originally described as present on activated T lymphocytes, which belongs to the tumor necrosis factor (TNF) receptor superfamily. It is expressed mainly on activated CD4+ and CD8+ T cells, and binds to a high-affinity ligand (4-1BBL) expressed on several antigen-presenting cells such as macrophages and activated B cells. Upon ligand binding, 4-1BB is associated with the tumor necrosis factor receptor-associated factors (TRAFs), the adaptor protein which mediates downstream signaling events including the activation of NF-κappaB and cytokine production. 4-1BB signaling either by binding to 4-1BBL or by antibody ligation delivers signals for T-cell activation and growth, as well as monocyte proliferation and B-cell survival, and plays an important role in the amplification of T cell-mediated immune responses.

Basic Information

Description

Recombinant Human Leukemia inhibitory factor/LIF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu24-Gln186) of human TNFRSF9/4-1BB/CD137 (Accession #NP_002300.1) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Human TNFRSF9 (Catalog: RP01698) at 2 μg/mL (100 μL/well) can bind Human TNFSF9 (Catalog: RP00060) with a linear range of 1-4.4 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

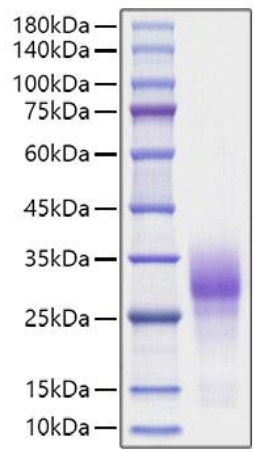
Contact

☎ | 400-999-6126

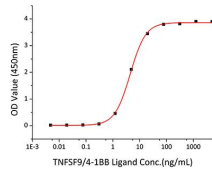
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Validation Data



Recombinant Human TNFRSF9/4-1BB/CD137 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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