RP01127

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Recombinant Human TNFRSF4/OX40/CD134 Protein

Catalog No.: RP01127 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	7293	P43489

Tags
C-His

Synonyms
TNFRSF4;ACT35;CD134;IMD16;OX40;TXGP1L

Product Information

Source
HEK293 cells

Purification
> 90 % by SDS-PAGE.

Endotoxin
< 1.0 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution 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 votex 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

This protein is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2IL1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4+ T cell response, as well as in T cell-dependent B cell proliferation and differentiation.

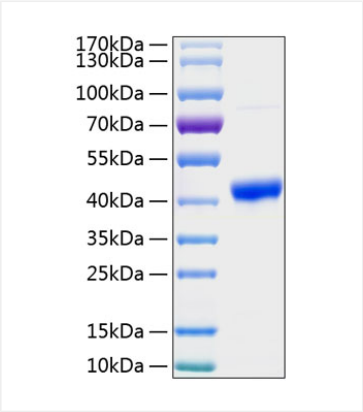
Basic Information

Description
Recombinant Human TNFRSF4/OX40/CD134 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ala216) of human OX40 (Accession #NP_003318.1) fused with a 6×His tag at the C-terminus.

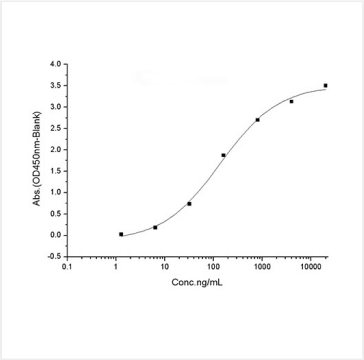
Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized Human TNFRSF4 at 2 μg/mL (100 μL/well) can bind Human TNFSF4, the EC₅₀ is 60-240 ng/mL.

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.

Validation Data



Recombinant Human TNFRSF4/OX40/CD134 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at approximately 40-45 kDa.



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