

Recombinant Human OX40/TNFRSF4/CD134 Protein

Catalog No.: RP00362 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	7293	P43489

Tags

C-hFc

Synonyms

CD134; OX40; OX40L receptor; TNFRSF4; ACT-135; Ly-70; OX40 homologue; TXGP1L; IMD16

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE

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.

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Background

Tumor necrosis factor receptor superfamily, member 4 (TNFRSF4), also known as CD134 and OX40 receptor. OX40 is a secondary co-stimulatory immune checkpoint molecule, expressed after 24 to 72 hours following activation; its ligand, OX40L, is also not expressed on resting antigen presenting cells, but is following their activation.

Basic Information

Description

Recombinant Human OX40/TNFRSF4/CD134 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu29-Ala216) of Human OX40/TNFRSF4/CD134 (Accession #P43489) fused with a C-hFc tag at the C-terminus.

Bio-Activity

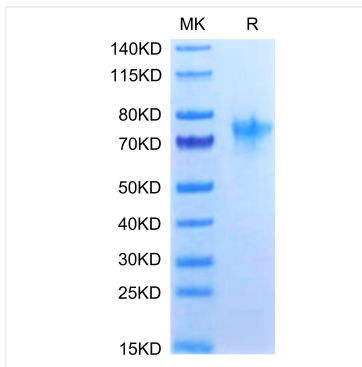
Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.

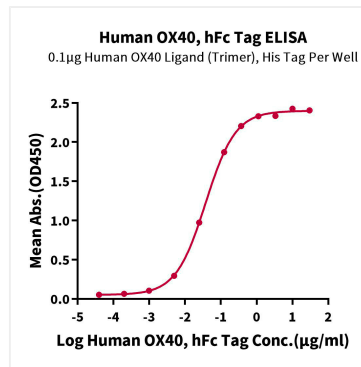
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Human OX40 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



Immobilized Human OX40 Ligand Trimer, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human OX40, hFc Tag with the EC₅₀ of 37.7ng/mL determined by ELISA.