

# Recombinant Mouse TNFSF4/OX40 ligand/CD252 Protein

Catalog No.: RP00713 Recombinant

## **Sequence Information**

**Species Gene ID Swiss Prot** Mouse 22164 P43488

## Tags

N-His

### **Synonyms**

Tumor necrosis factor ligand superfamily member 4; TNFSF4; CD134 ligand; CD134L; CD252; CD252 antigen; OX40 antigen ligand; OX40 ligand; OX40L; TAX transcriptionally-activatedglycoprotein 1; tumor necrosis factor (ligand) superfamily; member 4; Tnfsf4

#### **Product Information**

Source Purification

HEK293 cells ≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

17.7 kDa 20-23 kDa

## **Endotoxin**

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

## Reconstitution

Centrifuge the tube 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 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**

OX40 ligand (OX40L), also called CD252, is a single-pass type II membrane protein of the TNF/TNF receptorsuperfamily. OX40L is expressed by DCs, macrophages and B cells and signals via its cognate receptor OX40which is mainly expressed on APCs. OX40L/OX40 interactions are important in T-cell activation and survival andfor the generation of memory T cells from activated effector T cells. OX40L – OX40 costimulation leads toactivation of TNF receptor associated factor (TRAF) 2, 3 and 5. This pathway has been shown to prolong thesurvival of effector CD4+Th cells as well as contributes to generation of memory T cells.

## **Basic Information**

#### **Description**

Recombinant Mouse TNFSF4/OX40 Ligand Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Ser51-Leu198) of mouse TNFSF4/OX40 Ligand (Accession #P43488) fused with an 8×His tag at the N-terminus.

#### **Bio-Activity**

#### **Shipping**

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

## Storage

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

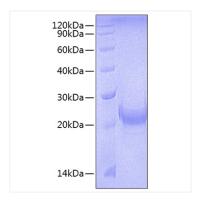
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## **Operational Notes**

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

# **Validation Data**



Recombinant Mouse TNFSF4/OX40 ligand/CD252 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.