

# Recombinant Mouse TNFSF4 Protein (Gln49-Leu198), RIgG Fc-tagged

Cat. No. TNFSF4-887M Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Mouse TNFSF4 Protein (NP\_033478.1) (Gln49-Leu198) was produced by HEK293 Cells expression system. This protein was expressed with the Fc region of rabbit IgG at the N-terminus..

**Species** Mouse

**Source** HEK293

**ProteinLength** Gln49-Leu198

**Description** OX-4L, also known as TNFSF4 and CD252, is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. OX-4L is an important costimulatory molecule that plays a crucial role in the regulation of T-cell-mediated immunity. The interaction of TNFSF4-TNFSF4 is involved in the pathogenesis of multiple autoimmune and inflammatory diseases such as systemic lupus erythematosus (SLE), carotid artery disease and cancer. OX-4L is a ligand for receptor TNFRSF4/OX4. It is found to play a role in T cell antigen-presenting cell (APC) interactions. In surface Ig- and CD4-stimulated B cells, this cytokine along with CD7 has been shown to provide CD28-independent costimulatory signals to T cells. This protein and its receptor are reported to directly mediate adhesion of activated T cells to vascular endothelial cells.

**Predicted N Terminal** Ser

**Form** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and

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0.01% Tween80 are added as protectants before lyophilization.

**Molecular Mass**

The recombinant mouse Tnfsf4 consists of 401 amino acids and predicts a molecular mass of 44.4 kDa.

**Endotoxin**

< 1.0 EU per µg protein as determined by the LAL method.

**Purity**

> 90 % as determined by SDS-PAGE.

**Stability**

Samples are stable for up to twelve months from date of receipt at -70 centigrade.

**Storage**

Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Shipping**

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.  
Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

**Gene Name**

Tnfsf4 tumor necrosis factor (ligand) superfamily, member 4 [ *Mus musculus* ]

**Official Symbol**

TNFSF4

**Synonyms**

TNFSF4; Ath1; gp34; Ath-1; Ox40l; TXGP1; CD134L; OX-40L; Txgp1l;

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|----------------|-----------|
| Gene ID        | 22164     |
| mRNA Refseq    | NM_009452 |
| Protein Refseq | NP_033478 |
| UniProt ID     | P43488    |

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