

Recombinant Mouse TNFSF4 Protein (Gln49-Leu198), MIgG1 Fc-tagged

Cat. No. TNFSF4-886M 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 mouse IgG1 at the N-terminus.

Species Human

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 Asp

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

 Tel: 1-631-559-9269 1-516-512-3133

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0.01% Tween80 are added as protectants before lyophilization.

Molecular Mass

The recombinant mouse Tnfsf4 consists of 378 amino acids and predicts a molecular mass of 42.7 kDa.

Endotoxin

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

Purity

> 95 % 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 [Homo sapiens]

Official Symbol

TNFSF4

Synonyms

TNFSF4; CD252; gp34; OX 40L; OX40L; CD134 ligand; GP34; OX40L; TXGP1; CD134L; OX-40L;

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Gene ID	7292
mRNA Refseq	NM_003326
Protein Refseq	NP_003317
MIM	603594
UniProt ID	P23510

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