

Recombinant Mouse Tnfrsf4 Protein

Cat. No. Tnfrsf4-547M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnfrsf4 (NP_035789.1) (Met1-Pro211) was expressed with six amino acids (LEVLFQ) at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Pro211
Description	<p>OX40 (CD134) and its binding partner, OX40L (CD252), are members of the tumor necrosis factor receptor/tumor necrosis factor superfamily, is known to break an existing state of tolerance in malignancies, leading to a reactivation of antitumor immunity. The interaction between OX40 and OX40L plays an important role in antigen-specific T-cell expansion and survival. OX40 and OX40L also regulate cytokine production from T cells, antigen-presenting cells, natural killer cells, and natural killer T cells, and modulate cytokine receptor signaling. In line with these important modulatory functions, OX40-OX40L interactions have been found to play a central role in the development of multiple inflammatory and autoimmune diseases, making them attractive candidates for intervention in the clinic. Conversely, stimulating OX40 has shown it to be a candidate for therapeutic immunization strategies for cancer and infectious disease.</p>
Predicted N Terminal	Val 20
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 Tnfrsf4 consists 199 amino acids and predicts a molecular mass of 22.1 kDa.

Endotoxin

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

Purity

> 95 % as determined by SDS-PAGE.

Storage

Samples are stable for up to twelve months from date of receipt at -70 centigrade. 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 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

Tnfrsf4 tumor necrosis factor receptor superfamily, member 4 [*Mus musculus*]

Official Symbol

Tnfrsf4

Synonyms

TNFRSF4; tumor necrosis factor receptor superfamily, member 4; tumor necrosis factor receptor superfamily member 4; OX40 antigen; OX40L receptor; tax-transcriptionally activated glycoprotein 1; Ox40; ACT35; CD134; Ly-70; Txgp1; TXGP1L;

Gene ID

22163

mRNA Refseq

NM_011659

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Protein Refseq

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