

Recombinant Mouse TNFRSF4 Protein (Met1-Pro211), RIgG Fc-tagged

Cat. No. TNFRSF4-843M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Mouse TNFRSF4 Protein (NP_035789.1) (Met1-Pro211) was produced by HEK293 Cells expression system. This protein was expressed with the Fc region of rabbit IgG at the C-terminus.

Species

Mouse

Source

HEK293

ProteinLength

Met1-Pro211

Description

OX4 (CD134) and its binding partner, OX4L (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 OX4 and OX4L plays an important role in antigen-specific T-cell expansion and survival. OX4 and OX4L 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, OX4-OX4L 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 OX4 has shown it to be a candidate for therapeutic immunization strategies for cancer and infectious disease.

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Predicted N Terminal	Val 20
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse Tnfrsf4 consists of 423 amino acids and predicts a molecular mass of 47.3 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 85 % 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	Tnfrsf4 tumor necrosis factor receptor superfamily, member 4 [<i>Mus musculus</i>]
Official Symbol	TNFRSF4

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Synonyms	TNFRSF4; OX40 antigen; OX40L receptor; Ox40; ACT35; CD134; Ly-70; Txgp1; TXGP1L;
Gene ID	22163
mRNA Refseq	NM_011659
Protein Refseq	NP_035789
UniProt ID	P47741

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