

Recombinant Rhesus TNFRSF4 Protein, His-tagged

Cat. No. TNFRSF4-548R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus TNFRSF4 (XP_001090870.1) (Met1-Ala216) was expressed with a polyhistidine tag at the C-terminus.
Species	Rhesus macaque
Source	HEK293
ProteinLength	Met1-Ala216
Description	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.
Predicted N Terminal	Leu 29
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 rhesus TNFRSF4 consists of 199 amino acids and predicts a molecular mass of 21.7 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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Official Symbol

TNFRSF4

Synonyms

TNFRSF4;TNF receptor superfamily member 4;tumor necrosis factor receptor superfamily member 4;tumor necrosis factor receptor superfamily, member 4

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