

# Recombinant Human TNFRSF4 Protein (Met1-Ala216), HlgG1 Fc-tagged

Cat. No. TNFRSF4-1153H Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Human TNFRSF4 Protein (NP\_003318.1) (Met1-Ala216) was produced by HEK293 Cells expression system. This protein was expressed with the Fc region of human IgG1 at the C-terminus.

**Species** Human

**Source** HEK293

**ProteinLength** Met1-Ala216

**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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<b>Predicted N Terminal</b>	Leu 29
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human TNFRSF4 consists of 426 amino acids and predicts a molecular mass of 46.9 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
<b>Storage</b>	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.
<b>Reconstitution</b>	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.
<b>Shipping</b>	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

<b>Gene Name</b>	TNFRSF4 tumor necrosis factor receptor superfamily, member 4 [ Homo sapiens ]
<b>Official Symbol</b>	TNFRSF4

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<b>Synonyms</b>	TNFRSF4; TXGP1L; ACT35; CD134; OX40; OX40 antigen; ACT35 antigen; ATC35 antigen; CD134 antigen; OX40 homologue; OX40L receptor;
<b>Gene ID</b>	7293
<b>mRNA Refseq</b>	NM_003327
<b>Protein Refseq</b>	NP_003318
<b>MIM</b>	600315
<b>UniProt ID</b>	P43489

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