

## Active Recombinant Human TNFRSF4, Fc-tagged

Cat. No. TNFRSF4-441H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human OX40 (aa 29-214) is fused at the C-terminus to the Fc portion of human IgG1.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	29-214 a.a.
<b>Description</b>	OX40 binds to receptors on T-cells, preventing them from dying and subsequently increasing cytokine production. OX40 has a critical role in the maintenance of an immune response. OX40:Fc was shown to prevent OX40 from reaching the T-cell receptors, thus reducing the T-cell response. Experiments in mice have demonstrated that OX40:Fc can reduce the symptoms associated with the cytokine storm (an immune overreaction) while allowing the immune system to fight off the virus successfully.
<b>Form</b>	Lyophilized. Contains PBS.
<b>Bio-activity</b>	Blocks T cell proliferation induced by CD134L.
<b>Molecular Mass</b>	~70kDa (SDS-PAGE)
<b>Purity</b>	≥95% (SDS-PAGE)
<b>Stability</b>	Stable for at least 6 months after receipt when stored at -20°C.

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**Storage** Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.

**Concentration** 1mg/ml after reconstitution.

## GENE INFORMATION

**Gene Name** TNFRSF4 tumor necrosis factor receptor superfamily, member 4 [ Homo sapiens ]

**Official Symbol** TNFRSF4

**Synonyms** TNFRSF4; tumor necrosis factor receptor superfamily, member 4; TXGP1L; tumor necrosis factor receptor superfamily member 4; ACT35; CD134; OX40; OX40 antigen; ACT35 antigen; ATC35 antigen; CD134 antigen; OX40 homologue; OX40L receptor; OX40 cell surface antigen; lymphoid activation antigene ACT35; TAX transcriptionally-activated glycoprotein 1 receptor; tax-transcriptionally activated glycoprotein 1 receptor;

**Gene ID** 7293

**mRNA Refseq** NM\_003327

**Protein Refseq** NP\_003318

**MIM** 600315

**UniProt ID** P43489

**Chromosome Location** 1p36

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**Pathway**

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem;

**Function**

binding; receptor activity; tumor necrosis factor-activated receptor activity;

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