

Active Recombinant Human TNFRSF4, Fc-tagged

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

SPECIFICATION

Product Overview	Human OX40 (aa 29-214) is fused at the C-terminus to the Fc portion of human IgG1.
Species	Human
Source	HEK293
ProteinLength	29-214 a.a.
Description	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.
Form	Lyophilized. Contains PBS.
Bio-activity	Blocks T cell proliferation induced by CD134L.
Molecular Mass	~70kDa (SDS-PAGE)
Purity	≥95% (SDS-PAGE)
Stability	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 antigen 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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