

# Recombinant Human OX40/TNFRSF4 Protein (Fc Tag)

Catalog Number:PKSH032843



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

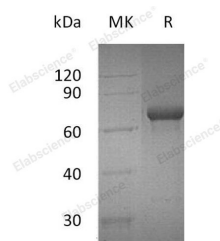
## Description

<b>Synonyms</b>	Recombinant Human OX40/TNFRSF4 Protein (C-Fc)
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Leu29-Ala216
<b>Accession</b>	P43489
<b>Calculated Molecular Weight</b>	46.8 kDa
<b>Observed molecular weight</b>	70 kDa
<b>Tag</b>	C-Fc
<b>Bioactivity</b>	Loaded Biotinylated Human OX40L-His on AR2G Biosensor, can bind Human OX40-Fc with an affinity constant of 70.3 nM as determined in BLI assay.

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

OX40;also termed CD134 and TNFRSF4; is a T cell co-stimulatory molecule of the TNF receptor superfamily which plays a key role in the survival and homeostasis of effector and memory T cells. OX40 is expressed on CD4+ and CD8+ T cells upon engagement of the TCR by antigen presenting cells along with co-stimulation by CD40-CD40 Ligand and CD28-B7. The interaction between OX40 and OX40 ligand (OX40L) will occur when activated T cells bind to professional antigen-presenting cells (APCs). The T-cell functions; including cytokine production; expansion; and survival; are then enhanced by the OX40 costimulatory signals. OX40 signals are critical for controlling the function and

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differentiation of Foxp3+ regulatory T cells. OX40-OX40L interaction regulates T-cell tolerance; peripheral T-cell homeostasis; and T-cell-mediated inflammatory diseases.

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