

## Recombinant Human TNFSF4/OX40L Protein (His Tag)

Catalog Number: PKSH032842

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

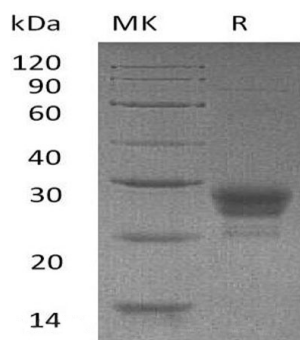
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human TNFSF4;OX40L protein Gln51-Leu183, with an N-terminal His
<b>Calculated MW</b>	16.3 kDa
<b>Observed MW</b>	20-30 kDa
<b>Accession</b>	P23510
<b>Bio-activity</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 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 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

Tumor necrosis factor ligand superfamily member 4 (TNFSF4/OX40L) is a single-pass type II membrane protein. OX40L is expressed on the surface of activated B cells; T cells; dendritic cells and endothelial cells. OX40L binds to OX40 (CD134); a member of the TNF receptor superfamily that is expressed predominantly on activated CD4<sup>+</sup> T cells. OX40-OX40L co-stimulates signal to promote the survival and proliferation of activated CD4<sup>+</sup> T cells and prolong the immune response. It involved in T-cell proliferation and cytokine production. Additional; it has been found association with systemic lupus erythematosus; no association with occurrence of atherosclerosis.

### For Research Use Only