

Recombinant Human TNFSF4/OX40L Protein (His Tag)



Catalog Number: PKSH032842

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

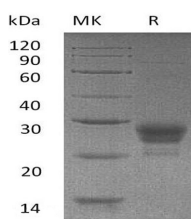
Description

Synonyms	Tumor necrosis factor ligand superfamily member 4; Glycoprotein Gp34; OX40 ligand; OX40L; TAX transcriptionally-activated glycoprotein 1; TNFSF4; CD252; TXGP1; CD134L; CD252; GP34; OX-40; TXGP1
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln51-Leu183
Accession	P23510
Calculated Molecular Weight	16.3 kDa
Observed molecular weight	20-30 kDa
Tag	N-His
Bioactivity	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

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 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 man
Reconstitution	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⁺ T cells. OX40-OX40L co-stimulates signal to promote the survival and proliferation of activated CD4⁺ T cells and prolong the

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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.

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