Recombinant Human TNFSF4/OX40L Protein (His Tag)

Catalog Number: PDMH100152

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

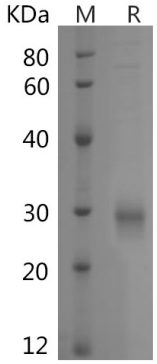
Description

Species	Human
Source	HEK293 Cells-derived Human TNFSF4;OX40L protein Gln51-Leu183, with an C-terminal His
Calculated MW	14.5 kDa
Observed MW	30 kDa
Accession	P23510
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg 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 in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human TNFSF4/OX40L proteins, 2 μg/lane of Recombinant Human TNFSF4/OX40L proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 30 kDa.

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 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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