

Recombinant Mouse OX40L protein(His Tag)

Catalog No. PKSM041488

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

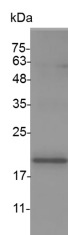
Description

Synonyms	AGIF (Adipogenesis Inhibitory Factor)
Species	Mouse
Expression Host	E.coli
Sequence	Gln 49-Leu 198
Accession	P43488
Calculated Molecular Weight	17.7 kDa
Observed molecular weight	17-25 kDa
Tag	N-His
Bioactivity	Measure by its ability to induce IL-2 secretion in mouse T cells in the presence of the anti-CD3 antibody. The ED ₅₀ for this effect is < 25 ng/mL.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 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 sterile 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.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

OX40 ligand (OX40L), also called CD252, is a single-pass type II membrane protein of the TNF/TNF receptor

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superfamily. OX40L is expressed by DCs, macrophages and B cells and signals via its cognate receptor OX40 which is mainly expressed on APCs. OX40L/OX40 interactions are important in T-cell activation and survival and for the generation of memory T cells from activated effector T cells. OX40L–OX40 co-stimulation leads to activation of TNF receptor associated factor (TRAF) 2, 3 and 5. This pathway has been shown to prolong the survival of effector CD4+Th cells as well as contributes to generation of memory T cells.