

OX40 Ligand/TNFSF4 Active Protein | OX40 active protein

Recombinant mouse OX40 Ligand/TNFSF4 Protein

CATALOG # AAA48397	HOST Baculovirus	APPLICATIONS SDS-Page
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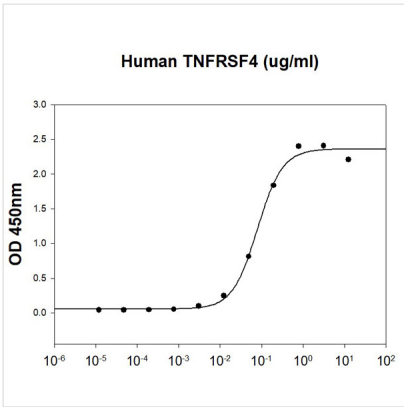
PRODUCT SYNONYMS

OX40 Ligand/TNFSF4; Recombinant mouse OX40 Ligand/TNFSF4 Protein; gp3; OX4;CD252; OX40 ligand; Ath-1; Ath1; CD134L; gp34; OX-40L; Ox40l; Tnlg2b; TXGP1; Txgp1l; tumor necrosis factor ligand superfamily member 4; OX40 active protein

PRODUCT SPECIFICATIONS

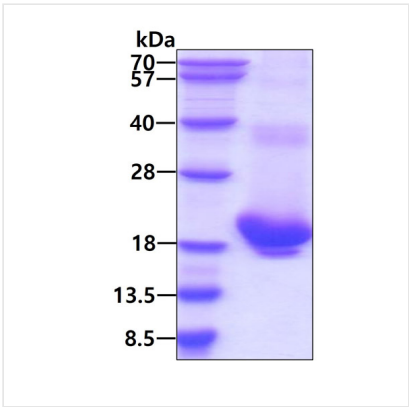
Host	Baculovirus
Purity/Purification	>90% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol.
Concentration	1mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	51-198aa
Sequence	SSSPA KDPPIQRLRG AVTRCEDGQL FISSYKNEYQ TMEVQNNSV IKCDGLYIIY LKGSFFQEVK IDLHFREDHN PISIPMLNDG RRIVFTVVAS LAFKDKVYLT VNAPDTLCEH LQINDGELIV VQLTPGYCAP EGSYHSTVNQ VPL
Applicable Applications for OX40 active protein	Bioactivity, SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Mouse
Tag	His-Tag
Predicted N-term	Ala
Bioactivity	Measured by its binding ability in a functional ELISA with Human TNFRSF4.
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity

Mouse TNFSF4 is coated at 1 ug/ml (100 ul/well) can bind Human TNFRSF4 (CAT# ATGP3686) in a Functional ELISA assay.



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stainLane 1 : reducing conditionLane 2 : non-reducing condition

ADDITIONAL INFORMATION

Related Product Information for OX40 active protein	OX40 Ligand, also known as Inositol monophosphatase 3, is a member of the tumor necrosis factor (TNF) receptor family. It is expressed on many antigen-presenting cells such as DC2s, macrophages, and activated B lymphocytes. The receptor for OX40L is OX40 that is expressed predominantly on activated CD4+ T cells. Expression of OX40 is transient following engagement of T cell receptors. The ligation of OX40-OX40L is a source of survival signal for T cells and enables the development of memory T cells. Also, It stimulates proliferation and differentiation of activated B cells, and increases immunoglobulin secretion. OX40-OX40 Ligand signaling is involved in graft-versus-host disease and autoimmune disease. Mutations in OX40 and OX40 Ligand are associated with cardiovascular disease. Recombinant mouse OX40 Ligand, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for OX40 active protein	Immunology; Proteins
References	Damayanti T., et al, (2010) Am. J. Respir. Crit. Care Med. 181(7):688-698. Ishii N., et al, (2010) Adv. Immunol. 105:63-98.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P43488
Molecular Weight	17.7kDa (157aa)
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 4
UniProt Gene Name	Tnfsf4
UniProt Synonym Gene Names	Ox40l; Txgp1l; OX40L
UniProt Entry Name	TNFL4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/baculovirus-active-protein/ox40-ligand-tnfsf4/48397>