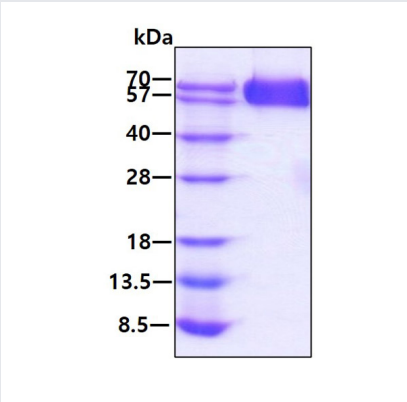
OX40/TNFRSF4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	OX40/TNFRSF4, Recombinant Protein
Full Product Name	Recombinant mouse OX40/TNFRSF4 protein
Product Gene Name	OX40/TNFRSF4 recombinant protein
Product Synonym Names	Tumor necrosis factor receptor superfamily member 4; OX40 antigen; OX40L receptor; CD134; Txgp1; Tnfrsf4; tax-transcriptionally activated glycoprotein 1 receptor; TXGP1L; ACT35; Ly-70; ACT3; OX4; Txgp
Sequence	VTAR RL NCVKHTYPSG HKCCRECQPG HGMVSRCDHT RDTLCHPCET GFYNEAVNYD TCKQCTQCNH RSGSELKQNC TPTQDTVCRC RPGTQPRQDS GYKLGVDCVP CPPGHFSPGN NQACKPWTNC TLSGKQTRHP ASDSLDAVCE DRSLLATLLW ETQRPTFRPT TVQSTTVWPR TSELPSPPTL VTPEGP
Host	HEK293
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Purity/Purification	>95% by SDS-PAGE
Concentration	0.25mg/ml (determined by Absorbance at 280nm) (lot specific)
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.
Molecular Weight	30,154 Da
Sequence Positions	20-211aa
3D Structure	ModBase 3D Structure for P47741
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Mouse
Tag	hIgG-His-Tag
Predicted N-term	Asp
Product Categories/Family for OX40/TNFRSF4 recombinant protein	Immunology; Proteins
Applications Tested/Suitable for OX40/TNFRSF4 recombinant protein	SDS-PAGE
Related Product Information for OX40/TNFRSF4 recombinant protein	TNFRSF4, also known as CD134, is a member of the TNFR-superfamily of receptors. This protein is a receptor for TNFSF4/OX40L/GP34 and a costimulatory molecule implicated in long-term T-cell immunity. OX40-OX40L interactions regulate antigen-specific T-cell expansion and survival, cytokine production. It also modulates cytokine receptor signalling. Therefore the interaction between TNFRSF4 and CD40L plays a key role in the development of multiple imflammatry and autoimmune disease. It has been implicated in the pathologic cytokine storm associated with certain viral infections, including the H5N1 bird flu. Recombinant mouse OX40/TNFRSF4, fused to hIgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Product References and Citations for OX40/TNFRSF4 recombinant protein	Schreiber TH, et al, (2012) J Immunol. 189:3311-3318. Webb GJ, et al, (2016) Clin Rev Allergy Immunol. 50:312-332. Zhou B, et al, (2020) Transplant Proc. 52:398-405.
Other Notes	Small volumes of OX40/TNFRSF4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for OX40/TNFRSF4 purchase	MBS201284 is a recombinant protein targeting OX40/TNFRSF4. Also known as Recombinant mouse OX40/TNFRSF4 protein. Host: HEK293.



SDS-Page of OX40/TNFRSF4 recombinant protein
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OX40/TNFRSF4. It may not necessarily be applicable to this product.

NCBI GI #	6755909
NCBI GeneID	22163
NCBI Accession #	NP_035789.1
UniProt Primary Accession #	P47741
UniProt Related Accession #	P47741
GenBank Nucleotide #	NM_011659.2
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 4
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 4
NCBI Official Symbol	Tnfrsf4
NCBI Official Synonym Symbols	Ox40; ACT35; CD134; Ly-70; Txgp1; TXGP1L
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 4
UniProt Synonym Protein Names	OX40 antigen; OX40L receptor; CD_antigen: CD134
UniProt Gene Name	Tnfrsf4
UniProt Synonym Gene Names	Ox40; Txgp1
UniProt Entry Name	TNR4_MOUSE
NCBI Protein Information	tumor necrosis factor receptor superfamily member 4; OX40 antigen; OX40L receptor; tax-transcriptionally activated glycoprotein 1

UniProt Comments for OX40/TNFRSF4	TNFRSF4: Receptor for TNFSF4/OX40L/GP34. Protein type: Apoptosis; Receptor, misc.; Membrane protein, integral Cellular Component: cell surface; membrane; plasma membrane; integral to membrane; external side of plasma membrane Molecular Function: protein binding; tumor necrosis factor receptor activity Biological Process: regulation of apoptosis; T cell proliferation; tumor necrosis factor-mediated signaling pathway; negative regulation of transcription factor activity; negative regulation of cytokine secretion; programmed cell death; positive regulation of B cell proliferation; cellular defense response; positive regulation of immunoglobulin secretion; negative regulation of transcription, DNA-dependent; regulation of protein kinase activity; inflammatory response
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/ox40-tnfrsf4/201284