

Datasheet for ABIN2870675

**TNFSF4 Protein (AA 51-183) (His tag)****3** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	TNFSF4
Protein Characteristics:	AA 51-183
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFSF4 protein is labelled with His tag.

## Product Details

Sequence:	AA 51-183
Characteristics:	This protein carries a polyhistidine tag at the N-terminus, and has a calculated MW of 16.9 kDa. The predicted N-terminus is His. The reducing (R) protein migrates as 25-30 kDa in SDS-PAGE due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	HPLC verified

## Target Details

Target:	TNFSF4
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## Target Details

Alternative Name:	OX40 Ligand ( <a href="#">TNFSF4 Products</a> )
Background:	Tumor necrosis factor ligand superfamily member 4 (TNFSF4) is also known as glycoprotein Gp34, OX40 ligand (OX40L), TAX transcriptionally-activated glycoprotein 1 and CD252, which belongs to the tumor necrosis factor family. TNFSF4 is the ligand for CD134 and is expressed on such cells as DC2s (a subtype of dendritic cells) enabling amplification of Th2 cell differentiation. The interaction of TNFSF4-TNFSF4 is involved in the pathogenesis of multiple autoimmune and inflammatory diseases such as systemic lupus erythematosus (SLE), carotid artery disease and cancer. Furthermore, similar to other TNF superfamily members, membrane-bound OX40 Ligand (TNFSF4) exists as a homotrimer. Human TNFSF4 shares 46 % amino acid sequence identity with its mouse counterpart.
Molecular Weight:	16.9 kDa
NCBI Accession:	<a href="#">NP_003317</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Activated T Cell Proliferation</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

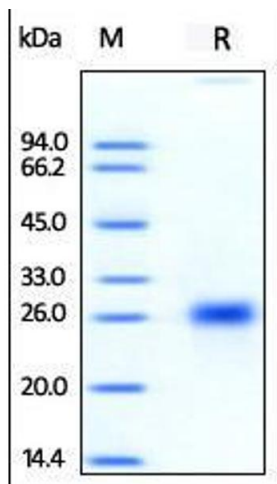
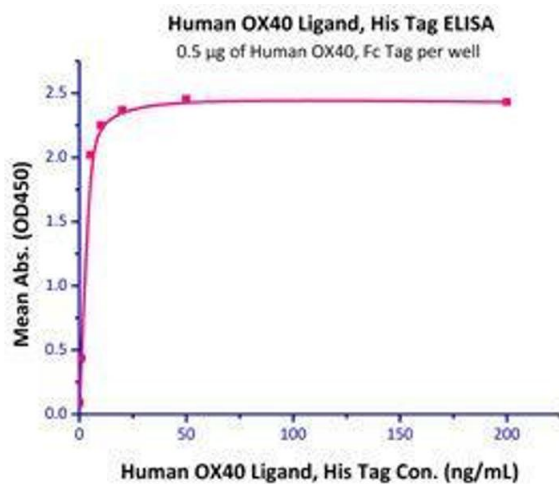
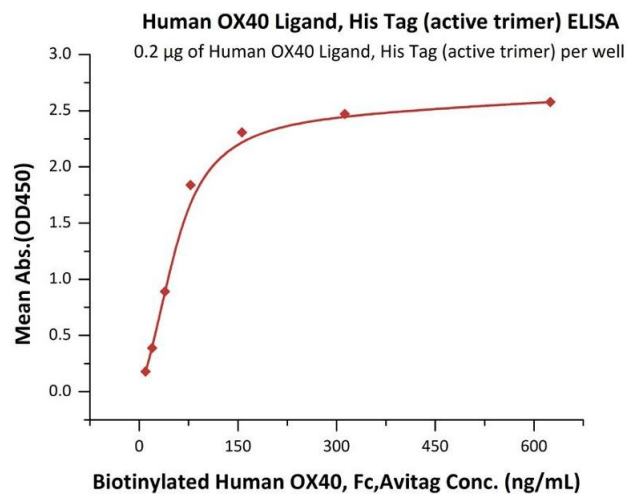
Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

## Publications

Product cited in:	Tocheva, Lerrer, Mor: "In Vitro Assays to Study PD-1 Biology in Human T Cells." in: <b>Current protocols in immunology</b> , Vol. 130, Issue 1, pp. e103, (2020) ( <a href="#">PubMed</a> ).
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## ELISA

**Image 1.** Immobilized Human OX40 Ligand, His Tag (active trimer) (MALS verified) (ABIN2870674,ABIN2870675) at 2 µg/mL (100 µL/well) can bind Biotinylated Human OX40, Fc,Avitag (ABIN2870556,ABIN2870557) with a linear range of 10-78 ng/mL (Routinely tested).

## Binding Studies

**Image 2.** Immobilized Human OX40 Ligand, His Tag (Cat# OXL-H52Q8) at 5 µg/mL (100 µL/well) can bind Human OX40, Fc Tag (Cat# OX0-H5255 ) with a linear range of 0.2-5 ng/mL.

## SDS-PAGE

**Image 3.** Human OX40 Ligand, His Tag (HPLC-verified) on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.