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Datasheet for ABIN6731293

## TNFSF4 Protein (AA 51-183) (AVI tag,Fc Tag,Biotin)

### 2 Images

#### Overview

Quantity:	200 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 AVI tag,Fc Tag,Biotin.

#### Product Details

Sequence:	AA 51-183
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

#### Target Details

Target:	TNFSF4
Alternative Name:	OX40 Ligand ( <a href="#">TNFSF4 Products</a> )
Background:	Tumor necrosis factor ligand superfamily member 4 (TNFSF4) is also known as glycoprotein

## Target Details

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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: 48.7 kDa

NCBI Accession: [NP\\_003317](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#), [Cancer Immune Checkpoints](#)

## Application Details

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Comment: Ready-to-use Avitag<sup>TM</sup> biotinylated protein:  
The product is exclusively produced using the Avitag<sup>TM</sup> technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

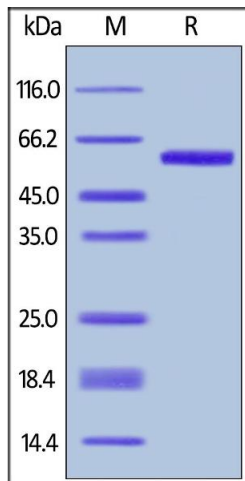
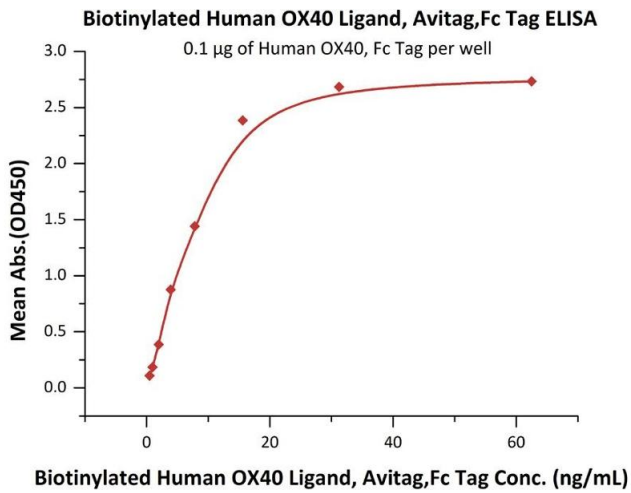
Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Handling

Storage: -20 °C

Images



### ELISA

**Image 1.** Immobilized Human OX40, Fc Tag (ABIN2181574,ABIN2181573) at 1 µg/mL (100 µL/well) can bind Biotinylated Human OX40 Ligand, Avitag,Fc Tag (ABIN6731293,ABIN6809948) with a linear range of 0.5-16 ng/mL (QC tested).

### SDS-PAGE

**Image 2.** Biotinylated Human OX40 Ligand, Avitag,Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .