

Datasheet for ABIN7275286

**Mesothelin Protein (MSLN) (His-Avi Tag,Biotin)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Mesothelin (MSLN)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Mesothelin protein is labelled with His-Avi Tag,Biotin.

## Product Details

Sequence:	Glu296-Gly580
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Biotinylated Human MSLN at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-MSLN Antibody, hFc Tag with the EC50 of 20.3ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	Mesothelin (MSLN)
Alternative Name:	MSLN ( <a href="#">MSLN Products</a> )
Background:	MSLN, CAK1, Mesothelin, MPF, MPFSMRP, SMR,Mesothelin, also known as MSLN, is a protein that in humans is encoded by the MSLN gene.Cloning studies showed that the mesothelin gene

## Target Details

encodes a precursor protein that is processed to yield mesothelin which is attached to the cell membrane by a glycosphosphatidylinositol linkage and a 31- kDa shed fragment named megakaryocyte-potentiating factor (MPF). Although it has been proposed that mesothelin may be involved in cell adhesion, its biological function is not known. A knockout mouse line that lacks mesothelin reproduces and develops normally.

Molecular Weight: 35.2 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.

Pathways: [EGFR Signaling Pathway](#), [Positive Regulation of Peptide Hormone Secretion](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Carbohydrate Homeostasis](#), [cAMP Metabolic Process](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

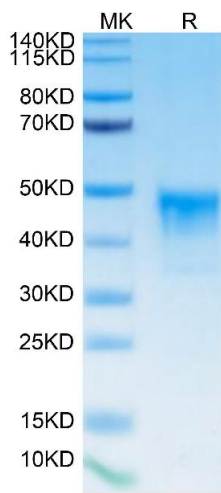
Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

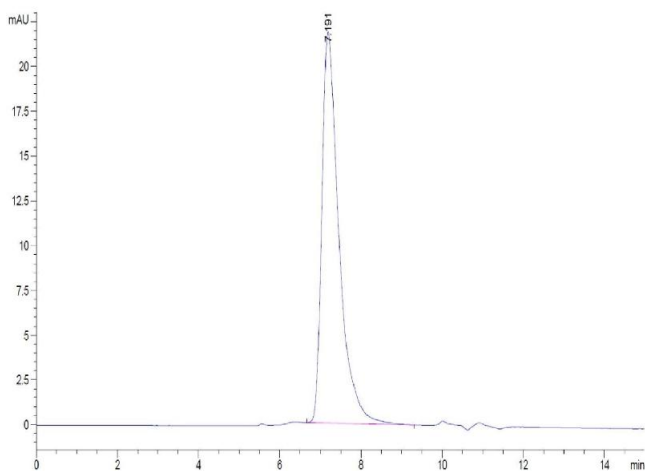
Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

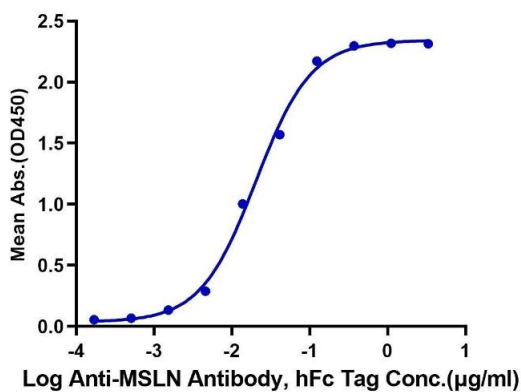
**Image 1.** Biotinylated Human MSLN on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Biotinylated Human MSLN was greater than 95 % as determined by SEC-HPLC.

**Biotinylated Human MSLN, His Tag ELISA**  
0.05µg Biotinylated Human MSLN, His Tag Per Well



ELISA

**Image 3.** Immobilized Biotinylated Human MSLN at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-MSLN Antibody, hFc Tag with the EC50 of 20.3 ng/mL determined by ELISA.