

Datasheet for ABIN7275281

**Mesothelin Protein (MSLN) (AA 406-690) (His tag,Biotin)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Mesothelin (MSLN)
Protein Characteristics:	AA 406-690
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Mesothelin protein is labelled with His tag,Biotin.

## Product Details

Purpose:	Biotinylated Cynomolgus MSLN/Mesothelin Protein (Primary Amine Labeling)
Sequence:	Asp406-Gly690
Characteristics:	Recombinant Biotinylated Cynomolgus MSLN/Mesothelin Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-Terminus.It contains Asp406-Gly690.
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 Anti-MSLN Antibody, hFc Tag at 1 µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Cynomolgus MSLN, His Tag with the EC50 of 54.8ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	Mesothelin (MSLN)
Alternative Name:	MSLN ( <a href="#">MSLN Products</a> )
Background:	Mesothelin, also known as MSLN, is a protein that in humans is encoded by the MSLN gene. Cloning studies showed that the mesothelin gene encodes a precursor protein that is processed to yield mesothelin which is attached to the cell membrane by a glycosylphosphatidylinositol 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:	33 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">XP_005590874</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

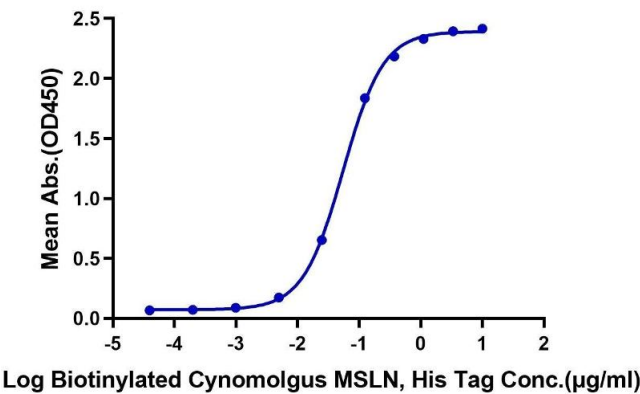
## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

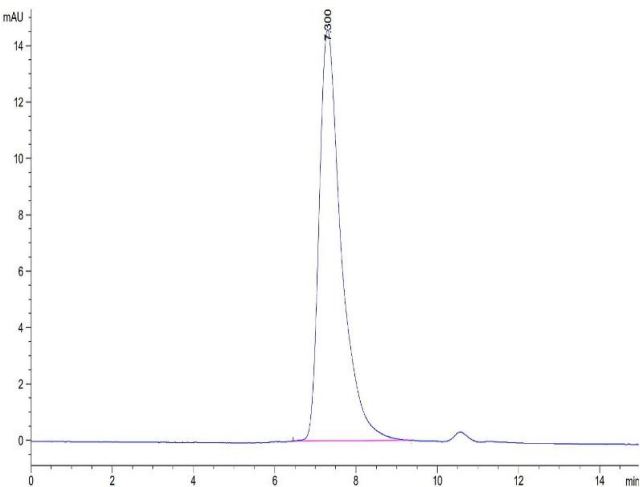
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

**Biotinylated Cynomolgus MSLN, His Tag ELISA**  
0.1µg Anti-MSLN Antibody, hFc Tag Per Well



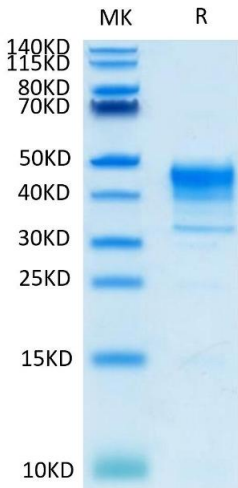
**ELISA**

**Image 1.** Immobilized Anti-MSLN Antibody, hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Cynomolgus MSLN, His Tag with the EC50 of 54.8 ng/mL determined by ELISA.



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

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



**SDS-PAGE**

**Image 3.** Biotinylated Cynomolgus MSLN on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .