

# Biotinylated Human MSLN/Mesothelin Protein

Cat. No. MSL-HM4D1B

## Description

<b>Source</b>	Recombinant Biotinylated Human MSLN/Mesothelin Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Met487-Ser598.
<b>Accession</b>	Q13421-3
<b>Molecular Weight</b>	The protein has a predicted MW of 15.31 kDa. Due to glycosylation, the protein migrates to 20-40 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

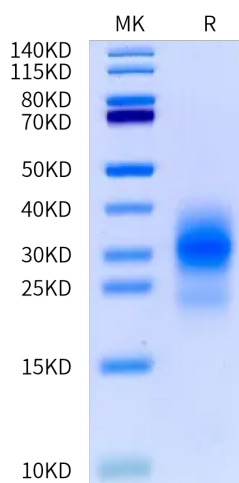
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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 glycoposphatidylinositol 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.

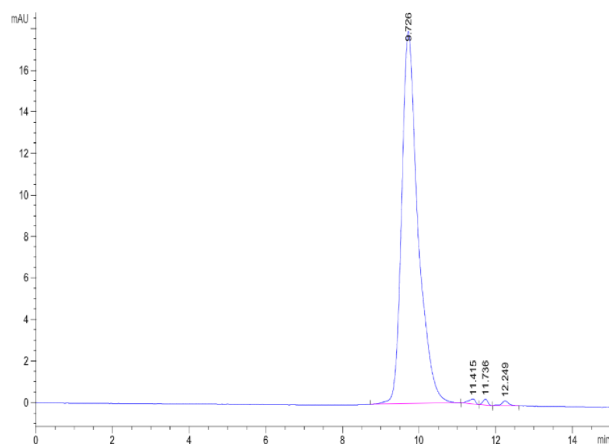
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



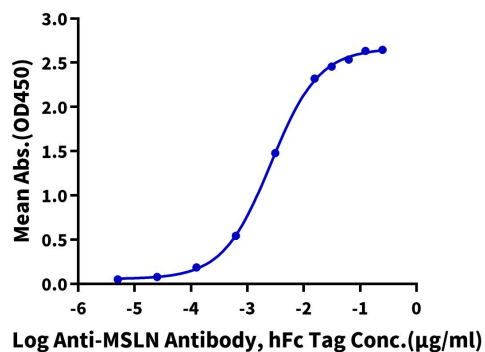
The purity of Biotinylated Human MSLN is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Biotinylated Human MSLN, His Tag ELISA**

0.05µg Biotinylated Human MSLN, His Tag Per Well



Immobilized Biotinylated Human MSLN, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-MSLN Antibody, hFc Tag with the EC50 of 2.6ng/ml determined by ELISA.