

# Biotinylated Recombinant Cynomolgus Mesothelin/MSLN Protein (Primary Amine Labeling)

Catalog No.: RP02749B **Recombinant**

## Sequence Information

<b>Species</b>	<b>Gene ID</b>	<b>Swiss Prot</b>
Cynomolgus		A0A2K5TW94
		-1

### Tags

C-His

### Synonyms

MSLN; CAK1; Mesothelin; MPF; MPFSMRP; SMR

## Product Information

<b>Source</b>	<b>Purification</b>
HEK293 cells	> 95% by Tris-Bis PAGE; > 95% by SEC-HPLC

<b>Calculated MW</b>	<b>Observed MW</b>
33 kDa	35-50 kDa

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## 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 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.

## Basic Information

### Description

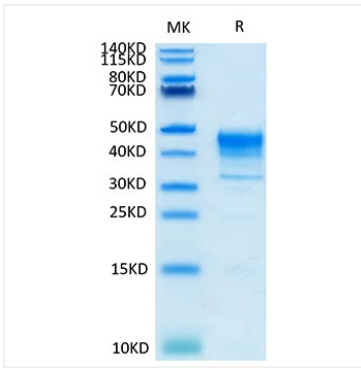
Biotinylated Recombinant Cynomolgus Mesothelin/MSLN Protein (Primary Amine Labeling) is produced by Expi293 expression system. The target protein is expressed with sequence (Asp296-Gly580) of Cynomolgus MSLN fused with a His tag at the C-terminal.

### Bio-Activity

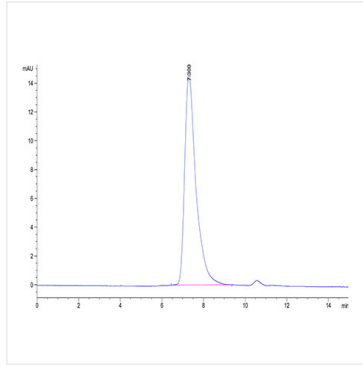
### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

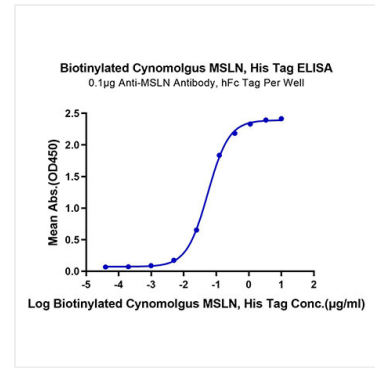
## Validation Data



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



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



Immobilized Anti-MSLN Antibody, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Cynomolgus MSLN, His Tag with the EC<sub>50</sub> of 54.8ng/ml determined by ELISA.