

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

Catalog No.: RP02749B Recombinant

Sequence Information

Swiss Prot Species Gene ID Cynomolgus

A0A2K5TW94

Tags C-His

Synonyms

MSLN; CAK1; Mesothelin; MPF; MPFSMRP;

Product Information

Purification Source

≥ 95 % as HEK293 cells determined by Tris-Bis PAGE;≥ 95 % as

> determined by HPLC.

Calculated MW Observed MW

33 kD 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 stablizer (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 glycophosphatidylinositol linkage and a 31-kDa shed fragment named megakaryocytepotentiating 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-

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

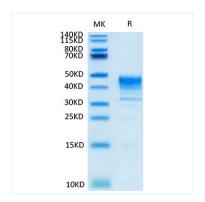
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

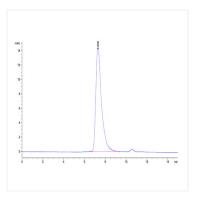
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

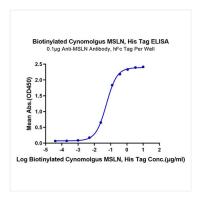
Validation Data



Biotinylated Recombinant Cynomolgus Mesothelin/MSLN Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



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



Immobilized Anti-MSLN Antibody, hFc Tag at 1 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Biotinylated Cynomolgus MSLN, His Tag with the EC $_{50}$ of 54.8ng/ml determined by ELISA.