

Recombinant Human Mesothelin/MSLN Protein

Catalog No.: RP01053 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 10232 Q13421-3

Tags

C-His

Synonyms

MPF; SMRP; MSLN; SMRP

Product Information

Source Purification

HEK293 cells \geq 95 % as

determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW Observed MW

33.07 kDa 38-45kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial 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

Basic Information

Description

Recombinant Human Mesothelin/MSLN Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Glu296-Gly580) of human Mesothelin (Accession #NP_005814.2) fused with a $6 \times \text{His}$ tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human Mesothelin/MSLN (Catalog: RP01053) at 2 μ g/mL (100 μ L/well) can bind Human CA125 (Catalog: RP01053) with a linear range of 0.1-10.4 ng/mL.

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.

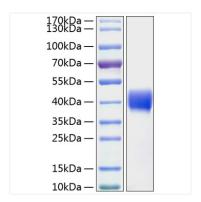
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

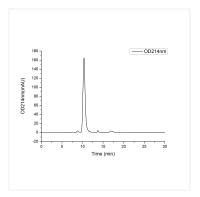
Operational Notes

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

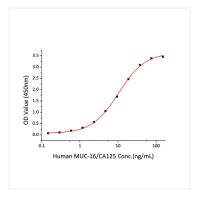
Validation Data



Recombinant Human Mesothelin/MSLN Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human Mesothelin Protein (Cat.RP01053) was greater than 95% as determined by SEC-HPLC.



Immobilized Human Mesothelin/MSLN at 2 μ g/mL (100 μ L/well) can bind Human CA125 with a linear range of 0.1-10.4 ng/mL.