

Biotinylated Human Mesothelin

(C-6His-Avi)

Catalog # EPT283

Expression Host Human Cells

DESCRIPTION Biotinylated Recombinant Human Mesothelin is

produced by our Mammalian expression system and

the target gene encoding Glu296-Ser598 is expressed

with a 6His, Avi tag at the C-terminus.

Accession AAH09272.1

Synonyms Megakaryocyte potentiating factor; mesothelin;

Pre-pro-megakaryocyte-potentiating factor; soluble

MPF mesothelin related protein; CAK1; MPF; MSLN;

SMR; CAK1; CAK1 antigen

Mol Mass 36.7 KDa

AP Mol Mass 38-60 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.



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FORMULATION

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

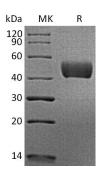
BACKGROUND

Mesothelin is a cell surface glycoprotein whose expression is limited to mesothelial cells of the serosa (pleura, pericardium, and peritoneum) and epithelial cells of the trachea, tonsils, fallopian tube, and





kidneys. Mesothelin plays an important role in cell survival, proliferation, migration, invasion, tumor progression, and resistance to chemotherapy. The overexpression of mesothelin can activate NF-kB and signal transducer and activator of transcription 3 (Stat3), inhibit apoptotic signaling and TNF- α -induced apoptosis, and accelerate the G1 - S transition. Mesothelin is also found overexpressed in various cancers, including malignant mesothelioma, pancreatic or ovarian carcinoma, sarcomas and in some gastrointestinal or pulmonary carcinomas. As a result of its limited expression in normal tissues, mesothelin has ideal been reported tumor-associated marker for the development of targeted therapy.



SDS-PAGE

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