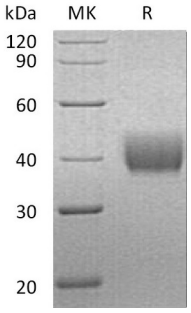
Product Name: Recombinant Human Mesothelin (C-6His)
Catalog #: PHH1148

Summary

Name	Mesothelin/MPF/MSLN/CAK1/Mes/SMR
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Mesothelin is produced by our Mammalian expression system and the target gene encoding Glu296-Ser598 is expressed with a 6His tag at the C-terminus.
Accession #	AAH09272.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	34.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Hepes-NaOH, 50 mM NaCl, 8% Trehalose, 0.05% Tween 80, pH 8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
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.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.

SDS-PAGE image



Background

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Alternative Names	Megakaryocyte potentiating factor; mesothelin; Pre-pro-megakaryocyte-potentiating factor; soluble MPF mesothelin related protein; CAK1; MPF; MSLN; SMR; CAK1; CAK1 antigen
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-κB 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 been reported as an ideal tumor-associated marker for the development of targeted therapy.

Note

For Research Use Only , Not for Diagnostic Use.