Recombinant Human Mesothelin/MSLN Protein (aa 37-286, His Tag)

Catalog No. PKSH032746

Note: Centrifuge before opening to ensure complete recovery of vial contents.

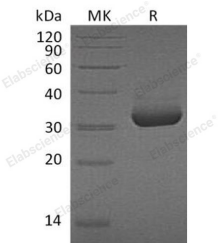
Description

Synonyms	Megakaryocyte potentiating factor;mesothelin;Pre-pro-megakaryocyte-potentiating factor;soluble MPF mesothelin related protein;CAK1;MPF;MSLN;SMR;CAK1;CAK1 antigen
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu37-Arg286
Accession	Q13421
Calculated Molecular Weight	27.8 kDa
Observed molecular weight	30-35 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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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.

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