

Recombinant Human Mesothelin/MSLN Protein (His Tag)



Catalog Number:PKSH030718

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

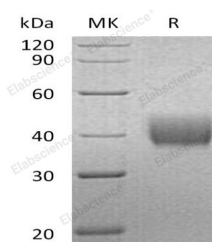
Description

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	Met 1-Arg286
Accession	Q13421-2
Calculated Molecular Weight	28.2 kDa
Observed molecular weight	33 kDa
Tag	C-His

Properties

Purity	> 90 % 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°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 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



> 90 % as determined by reducing SDS-PAGE.

Background

Megakaryocyte potentiating factor belongs to the mesothelin family. This family is comprised by several mammalian pre-pro-megakaryocyte potentiating factor precursor (MPF) or mesothelin proteins. Mesothelin is a glycosylphosphatidylinositol-linked glycoprotein highly expressed in mesothelial cells; mesotheliomas; and ovarian cancer; but the biological function of the protein is not known. Megakaryocyte potentiating factor is highly expressed in mesotheliomas; ovarian cancers; and some squamous cell carcinomas (at protein level). It interacts with MUC16 and potentiates megakaryocyte colony formation in vitro. Megakaryocyte potentiating factor is secreted by several

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mesothelioma cell lines and is frequently elevated in the blood of patients with mesothelioma. Measurement of this protein may be useful in following the response of mesothelioma to treatment.

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