

## Mesothelin Protein, Human (303a.a, HEK293, His)

<b>Cat. No.:</b>	HY-P70148
<b>Synonyms:</b>	rHuMesothelin/MPF, His ; Megakaryocyte potentiating factor; mesothelin; Pre-pro-megakaryocyte-potentiating factor; soluble MPF mesothelin related protein; CAK1; MPF; MSLN; SMR; CAK1; CAK1 antigen
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	AAH09272.1 (E296-S598)
<b>Gene ID:</b>	10232
<b>Molecular Weight:</b>	35-50 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> E V E K T A C P S G   K K A P E I D E S L   I F Y K K W E L E A   C V D A A L L A T Q M D R V N A I P F T   Y E Q L D V L K H K   L D E L Y P Q G Y P   E S V I Q H L G Y L F L K M S P E D I R   K W N V T S L E T L   K A L L E V N K G H   E M S P Q V A T L I D R F V K G R G Q L   D K D T L D T L T A   F Y P G Y L C S L S   P E E L S S V P P S S I W A V R P Q D L   D T C D P R Q L D V   L Y P K A R L A F Q   N M N G S E Y F V K I Q S F L G G A P T   E D L K A L S Q Q N   V S M D L A T F M K   L R T D A V L P L T V A E V Q K L L G P   H V E G L K A E E R   H R P V R D W I L R   Q R Q D D L D T L G L G L Q G G I P N G   Y L V L D L S M Q E   A L S           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein, as cells overexpressing mesothelin have altered adhesive properties. Mesothelin is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative splicing results in multiple transcript variants of Mesothelin. Mesothelin is also a Megakaryocyte-potentiating factor (MPF) which potentiates megakaryocyte colony
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formation in vitro<sup>[1][2]</sup>.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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