

## Recombinant Human MSLN, Fc Tagged, Biotinylated

Cat. No. MSLN-2967H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the human MSLN (Q13421-2) (Glu296-Gly580) was expressed with the fused Fc region of human IgG1 at the N-terminus. The expressed protein was biotinylated in vitro.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	Glu296-Gly580
<b>Description</b>	Megakaryocyte potentiating factor is a member of the mesothelin family. This family consists of several mammalian pre-pro-megakaryocyte potentiating factor precursor (MPF) or mesothelin proteins. Both megakaryocyte potentiating factor and the cleaved form of mesothelin are N-glycosylated. Mesothelin is a tumour differentiation antigen that is normally present on the mesothelial cells lining the pleura, peritoneum and pericardium. Megakaryocyte potentiating factor is secreted by several 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. Megakaryocyte potentiating factor interacts with MUC16 and potentiates megakaryocyte colony formation in vitro. Its membrane-anchored forms may play a role in cellular adhesion.
<b>Form</b>	Lyophilized from sterile PBS , pH 7.4
<b>Molecular Mass</b>	The recombinant human MSLN/Fc is a disulfide-linked homodimer. The reduced

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

monomer comprises 545 amino acids and has a predicted molecular mass of 60.7 kDa. The apparent molecular mass of the protein is approximately 65 kDa in SDS-PAGE under reducing conditions due to glycosylation.

**Endotoxin** < 1.0 eu per µg of the protein as determined by the LAL method.

**Purity** >95 % as determined by SDS-PAGE

**Storage** Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** Reconstitute with water to desired concentration.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** [MSLN mesothelin \[ Homo sapiens \]](#)

**Official Symbol** MSLN

**Synonyms** MSLN; mesothelin; CAK1; MPF; CAK1 antigen; megakaryocyte potentiating factor; soluble MPF mesothelin related protein; pre-pro-megakaryocyte-potentiating factor; SMRP;

**Gene ID** [10232](#)

**mRNA Refseq** [NM\\_001177355](#)

**Protein Refseq** [NP\\_001170826](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>MIM</b>	601051
<b>UniProt ID</b>	Q13421
<b>Chromosome Location</b>	16p13.3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA