Recombinant Human MSLN protein, His & GST-tagged

Cat. No. MSLN-1538H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MSLN aa. (Glu400~Leu615) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu400~Leu615
Description	This gene encodes a preproprotein that is proteolytically processed to generate two p rotein products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte po tentiating factor functions as a cytokine that can stimulate colony formation of bone m arrow megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-sur face protein that may function as a cell adhesion protein. This protein is overexpresse d in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcino mas. Alternative splicing results in multiple transcript variants, at least one of which en codes an isoform that is proteolytically processed.
Form	Freeze-dried powder
Molecular Mass	54kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>92%

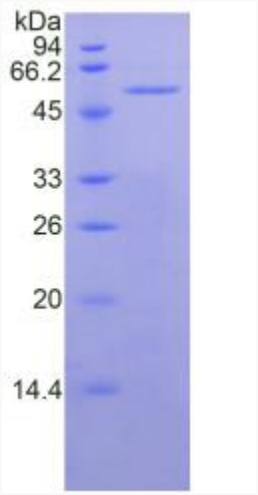
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200μg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	5.2

GENE INFORMATION

Gene Name	MSLN mesothelin [Homo sapiens (human)]
Official Symbol	MSLN
Synonyms	MSLN; mesothelin; MPF; SMRP; CAK1 antigen; megakaryocyte potentiating factor; pre-pro-megakaryocyte-potentiating factor; soluble MPF mesothelin related protein
Gene ID	10232

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_001177355.2
Protein Refseq	NP_001170826.1
UniProt ID	Q13421
SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA