

# Recombinant Human MSLN Protein, His-tagged, Biotinylated

Cat. No. MSLN-381H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant human MSLN protein with His tag was expressed in HEK293..
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	630
<b>Description</b>	This gene encodes a preproprotein that is proteolytically processed to generate two protein products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiating factor functions as a cytokine that can stimulate colony formation of bone marrow megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	33 kDa
<b>AA Sequence</b>	MALPTARPLLGSCGTPALGSLLFLLFSLGWVQPSRTLGETGQEAAPLDGVLNPP NISSLSPRQLLGFPCAIEVSGLSTERVRELAVALAQKNVKLSTEQRLRCLAHRLSEPPE DLDALPLDLLLFLNPDAFSGPQACTRFFSRITKANVDLLPRGAPERQRLPAALACW

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GVRGSLLEADVRLGGLACDLPGRFVAESAEVLLPRLVSCPGPLDQDQQAARAA  
LQGGGPPYGPPSTWSVSTMDALRGLLPVLGQPIIRSIPQGIVAAWRQRSSRDPSWR  
QPRTLIRPRFRREVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRV  
NAIPFTYEQLDVLKHKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLETLKA  
LLEVNGHEMSPQAPRRPLPQVATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSP  
EELSSVPPSSIWAVRPQDLDTCDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGG  
APTEDLKALSQQNVSMDLATFMKLRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRP  
VRDWILRQRQDDDLTLGLGLQGGIPNGYLVLDLSMQEALSGTPCLLGGPVLTVLAL  
LLASTLA

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

**Conjugation** Biotin

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**GENE INFORMATION**

<b>Gene Name</b>	MSLN mesothelin [ Homo sapiens (human) ]
<b>Official Symbol</b>	MSLN
<b>Synonyms</b>	MSLN; mesothelin; CAK1; MPF; CAK1 antigen; megakaryocyte potentiating factor; soluble MPF mesothelin related protein; pre-pro-megakaryocyte-potentiating factor; SMRP;
<b>Gene ID</b>	10232
<b>mRNA Refseq</b>	NM_001177355
<b>Protein Refseq</b>	NP_001170826
<b>MIM</b>	601051
<b>UniProt ID</b>	Q13421

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