

Recombinant Human MSLN Protein, His-tagged

Cat. No. MSLN-384H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MSLN protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	630
Description	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.
Form	Lyophilized
Molecular Mass	27.6 kDa
AA Sequence	MALPTARPLLGSCGTPALGSLLFLLFSLGWVQPSRTLGETGQEAAPLDGVLNPP NISSLSPRQLLGFPCEVSGSLSTERVRELAVALAQKNVKLSTEQRLRCLAHRLSEPPE DLDALPLDLLLFLNPDAFSGPQACTRFFSRITKANVDLLPRGAPERQRLPAALACW GVRGSLLSEADVRLGGLACDLPGRFVAESAEVLLPRLVSCPGPLDQDQQAARAA

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LQGGGPPYGGPSTWSVSTMDALRGLLPVLGQPIIRSIPQGIVAARQRSSRDPSWR
 QPERTILRPRFRREVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRV
 NAIPFTYEQLDVLKHKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLET LKA
 LLEVNGGHEMSPQAPRRPLPQVATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSP
 EELSSVPPSSIWAVRPQDLDTCDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGG
 APTEDLKALSQQNVSMDLATFMKLRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRP
 VRDWILRQRQDDDLTLGLGLQGGIPNGYLVLDSLMSQEALSGTPCLLGPVLTVLAL
 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 H₂O 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.

GENE INFORMATION

Gene Name MSLN mesothelin [Homo sapiens (human)]

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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
MIM	601051
UniProt ID	Q13421

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