Recombinant Human MSLN Protein, Fc-tagged

Cat. No. MSLN-383H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MSLN protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	630
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	Lyophilized
Molecular Mass	59.6 kDa
AA Sequence	MALPTARPLLGSCGTPALGSLLFLLFSLGWVQPSRTLAGETGQEAAPLDGVLANPP NISSLSPRQLLGFPCAEVSGLSTERVRELAVALAQKNVKLSTEQLRCLAHRLSEPPE DLDALPLDLLLFLNPDAFSGPQACTRFFSRITKANVDLLPRGAPERQRLLPAALACW GVRGSLLSEADVRALGGLACDLPGRFVAESAEVLLPRLVSCPGPLDQDQQEAARAA

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	LQGGGPPYGPPSTWSVSTMDALRGLLPVLGQPIIRSIPQGIVAAWRQRSSRDPSWR QPERTILRPRFRREVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRV NAIPFTYEQLDVLKHKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLETLKA LLEVNKGHEMSPQAPRRPLPQVATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSP EELSSVPPSSIWAVRPQDLDTCDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGG APTEDLKALSQQNVSMDLATFMKLRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRP VRDWILRQRQDDLDTLGLGLQGGIPNGYLVLDLSMQEALSGTPCLLGPGPVLTVLAL 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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