Recombinant Human MSLN Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. MSLN-072H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MSLN MS Standard C13 and N15-labeled recombinant protein (NP_005814) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	67.9 kDa
AA Sequence	MALPTARPLLGSCGTPALGSLLFLLFSLGWVQPSRTLAGETGQAAPLDGVLANPPNI SSLSPRQLLGFPCAEVSGLSTERVRELAVALAQKNVKLSTEQLRCLAHRLSEPPEDL DALPLDLLLFLNPDAFSGPQACTRFFSRITKANVDLLPRGAPERQRLLPAALACWGV RGSLLSEADVRALGGLACDLPGRFVAESAEVLLPRLVSCPGPLDQDQQEAARAALQ GGGPPYGPPSTWSVSTMDALRGLLPVLGQPIIRSIPQGIVAAWRQRSSRDPSWRQP

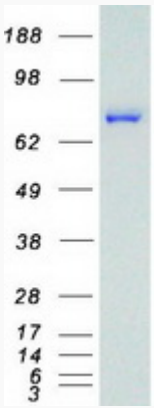
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	ERTILRPRFRREVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRVNAI PFTYEQLDVLKHKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLETLKALLE VNKGHEMSPQVATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSPEELSSVPPSSI WAVRPQDLDTCDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGGAPTEDLKALSQ QNVSMDLATFMKLRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRPVRDWILRQRQD DLDTLGLGLQGGIPNGYLVLDLSVQEALSGTPCLLGPGPVLTVLALLLASTLATRTRP LEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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mRNA Refseq	NM_005823
Protein Refseq	NP_005814
MIM	601051
UniProt ID	Q13421
SDS-PAGE	

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