

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 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.
Molecular Mass	67.9 kDa
AA Sequence	MALPTARPLLGSCGTPALGSLFLFSLGWVQPSRTLGETGQAAPLDGVLNPPNISLSRQLLGFPCEVSGSLSTERVRELAVALAQKNVKLSTEQLRCLAHRLSEPPEDLDALPLDLLFLNPDAFSGPQACTRFFSRITKANVDLLPRGAPERQRLPAALACWGV RGSLLSEADVRLGGLACDLPGRFVAESA EVLLPRLVSCPGPLDQDQQAARAALQGGGPPYGPPSTWSVSTMDALRGLLPVLGQPIIRSIPQGIVA AWRQRSSRDPSWRQP

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ERTILRPRFRREVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRVNAI
PFTYEQLDVLKHKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLETLKALLE
VNKGHEMSPQVATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSPEELSSVPPSSI
WAVRPQDLDTCDPRQLDVLPKARLAFQNMNGSEYFVKIQSFLGGAPTEDLKALSQ
QNVSMDLATFMKLRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRPVRDWILRQRQD
DLDTLGLGLQGGIPNGYLVLDLSVQEALSGTPCLLGPVLTVLALLLASTLATRTRP
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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