

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

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

SPECIFICATION

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|-------------------------|--|
| 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 protein 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 | MALPTARPLLGSCGTPALGSLLFLLFSLGWVQPSRTLGETGQAAPLDGVLANPPNI SSLSPRQLLGFPCEVSGLSTERVRELAVALAQKNVKLSTEQRLRCLAHRLSEPPEDL DALPLDLLLFLNPDAFSGPQACTRFFSRITKANVDLLPRGAPERQRLPAALACWGV RGSLLSEADVRLGGLACDLPGRFVAESAEVLLPRLVSCPGPLDQDQQAARAALQ GGPPYGPPSTWSVSTMDALRGLLPVLGQPIIRSIPQGIVAAWRQRSSRDPSWRQP |

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ERTILRPRFRREVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRVNAI
 PFTYEQLDVLKHKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLETLKALLE
 VNKGHEMSPQVATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSPEELSSVPPSSI
 WAVRPQDLDTCDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGGAPTEDLKALSQ
 QNVSMDLATFMKLRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRPVRDWILRQRQD
 DLDTLGLGLQGGIPNGYLVDLSVQEALSGTPCLLGGPVLTVLALLLASTLATRTRP
 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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