

Recombinant Human MSLN Protein, Fc-tagged, Biotinylated

Cat. No. MSLN-380H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated 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 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	59.6 kDa
AA Sequence	MALPTARPLLGSCGTPALGSELLFLLFSLGWVQPSRTLGETGQEAAPLDGVLNPP NISSLSPRQLLGFPCAIEVSGLSTERVRELAVALAQKNVKLSTEQRLRCLAHRLSEPPE DLDALPLDLLLFLNPDAFSGPQACTRFFSRITKANVDLLPRGAPERQRLPAALACW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



GVRGSELLSEADVRLGGLACDLPGRFVAESAEVLLPRLVSCPGPLDQDQQEAARAA
LQGGGPPYGPPSTWSVSTMDALRGLLPVLGQPIIRSIPQGIVAAWRQRSSRDPSWR
QPRTLIRPRFRREVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRV
NAIPFTYEQLDVLKHKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLETLKA
LLEVNGHEMSPQAPRRPLPQVATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSP
EELSSVPPSSIWAVRPQDLDTCDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGG
APTEDLKALSQQNVSMDLATFMKLRTDAVPLPTVAEVQKLLGPHVEGLKAEERHRP
VRDWILRQRQDDDLTLGLGLQGGIPNGYLVLDLSMQEALSGTPCLLGGPVLTVLAL
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.

Conjugation Biotin

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GENE INFORMATION

Gene Name	MSLN mesothelin [Homo sapiens (human)]
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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