

Active Recombinant Human MSLN Protein

Cat. No. MSLN-8392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MSLN is expressed as a 317-amino acid protein consisting of Glu296 - Ser592 region of MSLN (UniProt accession #Q13421, isoform 2) and a C-terminal His-tag. It contains 4 potential N-linked glycosylation sites.
Species	Human
Source	Human Cells
ProteinLength	296-592 a.a.
Bio-activity	Binds to CA125/MUC16 and anti-MSLN monoclonal antibody, human IgG1 with high affinity KD < 5 nM as measured by ELISA.
Molecular Mass	Calculated molecular mass (kDa): 35.9; Estimated by SDS-PAGE under reducing condition (kDa): 48-50
AA Sequence	EVEKTACPSGKKKAREIDESLIFYKKWELEACVDAALLATQMDRVNAIPFTYEQLDVLK HKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLKALLEVNKGHEMSPQ VATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSPEELSSVPPSSIWAVRPQDLDT CDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGGAPTEDLKALSQQNVSMDLATF MKLRRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRPVRDWILRQRQDDLDLGLGLQ GGIPNGYLVLDLSTTENLYFQGSTGHHHHHHHHH
Endotoxin	<0.1 EU per 1 µg of purified recombinant protein determined by the LAL method

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Purity	>90% judged by SDS-PAGE under reducing condition.
Storage	The product is shipped at 4 centigrade. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20 centigrade for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4 centigrade for no more than 2 weeks. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).
Warning	FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE IN HUMAN.

GENE INFORMATION

Gene Name	MSLN
Official Symbol	MSLN mesothelin [Homo sapiens (human)]
Synonyms	MSLN; MPF; SMRP; CAK1; mesothelin; mesothelin; CAK1 antigen; megakaryocyte potentiating factor; pre-pro-megakaryocyte-potentiating factor; soluble MPF mesothelin related protein
Gene ID	10232
mRNA Refseq	NM_001177355
Protein Refseq	NP_001170826
MIM	601051

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UniProt ID

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