Active Recombinant Human MSLN Protein, His-tagged

Cat. No. MSLN-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The 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	HEK293
ProteinLength	296-592 a.a.
Bio-activity	Binds to CA125/MUC16 and anti-MSLN monoclonal antibody, human IgG1 (SKU#: MAB1458) 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	EVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRVNAIPFTYEQLDVLK HKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLETLKALLEVNKGHEMSPQ VATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSPEELSSVPPSSIWAVRPQDLDT CDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGGAPTEDLKALSQQNVSMDLATF MKLRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRPVRDWILRQRQDDLDTLGLGLQ GGIPNGYLVLDLSTTENLYFQGSTGHHHHHHHH
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.
Storage Buffer	Supplied at 0.5 mg/mL in sterile PBS, pH7.4 (carrier & preservative free).

GENE INFORMATION

Gene Name	MSLN mesothelin [Homo sapiens (human)]
Official Symbol	MSLN
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
UniProt ID	Q13421

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