

Active Recombinant Human MSLN, His-tagged, Biotinylated

Cat. No. MSLN-642H **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	Human Cells
ProteinLength	296-592 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
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	EVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRVNAIPFTYEQLDVLK HKLDELYPQGYPESVIQ HLGYLFLKMSPEDIRKWNVTSLET LKALLEVNKGHEMSP QVATLIDRFVKGRGQLDKDTLDTLTA FYPGYLC SL SPEELSSVPPSSIWAVRPQDL D TCDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGGAPTE DLKALSQQNVSM DLAT FMKLRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRPVRDWILRQRQDDLDLGLGL QGGIPNGYLVLDLS TTENLYFQGSGTGHHHHHHHH

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Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the lal>
Purity	>90% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	MSLN mesothelin [Homo sapiens]
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

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UniProt ID	Q13421
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Chromosome Location	16p13.3
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