

# Active Recombinant Human MSLN Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** MSLN-10625HAF647    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Alexa Fluor 647 conjugated recombinant human MSLN-Fc fusion protein is expressed as a 534-amino acid protein consisting of Glu296 - Ser592 region of MSLN (UniProt accession #Q13421, isoform 2) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.

**Species**      Human

**Source**      HEK293

**ProteinLength**      296-592 a.a.

**Bio-activity**      Binds to CA125/MUC16 and anti-MSLN monoclonal antibody, human IgG1 with high affinity. Blocks MSLN's binding to CA125/MUC16.

**Molecular Mass**      Calculated molecular mass (kDa): 60.1; Estimated by SDS-PAGE under reducing condition (kDa): 65-70

**AA Sequence**

```
EVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLATQMDRVNAIPFTYEQLDVLK
HKLDELYPQGYPEVSIQHLGYLFLKMSPEDIRKWNVTSLETLKALLEVNKGHEMSPQ
VATLIDRFVKGRGQLDKDLDLTLTAFYPGYLCSLSPEELSSVPPSSIWAVRPQDLDT
CDPRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGGAPTEDLKALSQQNVSMDLATF
MKLRRTDAVLPLTVAEVQKLLGPHVEGLKAEERHRPVRDWILRQRQDDLDTLGLGLQ
GGIPNGYLVLDLSTTENLYFQGSGTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISR
TPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH
```

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLT  
 CLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSSFFLYSKLTVDKSRWQQGN  
 VFSCSVMHEALHNHYTQKSLSLSPGK

**Endotoxin** < 0.1 EU/ µg of purified recombinant protein determined by the LAL method

**Purity** > 95 % by SDS-PAGE under reducing condition

**Characteristic**  
 Disulfide-linked homodimer  
 Labeled with Alexa Fluor 647 via amines  
 Excitation = 650 nm  
 Emission = 668 nm

**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 pH 7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule) using the standard procedure.

**Conjugation** Alexa Fluor 647

## GENE INFORMATION

**Gene Name** MSLN

**Official Symbol** MSLN

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



<b>Synonyms</b>	Mesothelin; MPF; SMRP; MSLN; mesothelin; CAK1 antigen; megakaryocyte potentiating factor; pre-pro-megakaryocyte-potentiating factor; soluble MPF mesothelin related protein
<b>Gene ID</b>	<a href="#">10232</a>
<b>mRNA Refseq</b>	<a href="#">NM_005823</a>
<b>Protein Refseq</b>	<a href="#">NP_005814</a>
<b>MIM</b>	<a href="#">601051</a>
<b>UniProt ID</b>	<a href="#">Q13421</a>

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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