

# Recombinant Human MSLN Protein, hFc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** MSLN-340HAF555    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Alexa Fluor 555 conjugated recombinant human MSLN (Glu296-Gly580) protein was fused to human IgG1 Fc tag at N-terminus and expressed in human 293 cells (HEK293).

**Species**      Human

**Source**      HEK293

**ProteinLength**      Glu296-Gly580

**Description**      Mesothelin (MSLN) is also known as CAK1 antigen, Pre-pro-megakaryocyte-potentiating factor, which belongs to the mesothelin family. Mesothelin/MSLN can be proteolytically cleaved into the following two chains by a furin-like convertase: Megakaryocyte-potentiating factor (MPF) and the cleaved form of mesothelin. Both MPF and the cleaved form of mesothelin are N-glycosylated. Mesothelin/MSLN can interact with MUC 16. The membrane-anchored forms of MSLN may play a role in cellular adhesion. MPF potentiates megakaryocyte colony formation in vitro.

**Form**      Lyophilized

**Molecular Mass**      The protein has a calculated MW of 59.6 kDa. As a result of glycosylation, the protein migrates as 60-68 kDa under reducing (R) condition, and 120-130 kDa under non-reducing (NR) condition (SDS-PAGE).

 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>N-terminal Sequence Analysis</b>	Glu 296
<b>Endotoxin</b>	< 1.0 EU/ µg by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.</p>
<b>Storage</b>	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <ul style="list-style-type: none"> <li>-20 to -70 centigrade for 12 months in lyophilized state;</li> <li>-70 centigrade for 3 months under sterile conditions after reconstitution.</li> </ul>
<b>Storage Buffer</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 555

## GENE INFORMATION

**Gene Name**                      **MSLN**

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<b>Official Symbol</b>	MSLN
<b>Synonyms</b>	MSLN; mesothelin; CAK1; MPF; CAK1 antigen; megakaryocyte potentiating factor; soluble MPF mesothelin related protein; pre-pro-megakaryocyte-potentiating factor; SMRP
<b>Gene ID</b>	10232
<b>mRNA Refseq</b>	NM_001177355
<b>Protein Refseq</b>	NP_001170826
<b>MIM</b>	601051
<b>UniProt ID</b>	Q13421

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