

# Active Recombinant Human MSLN Protein (Glu 296 - Gly 580), Fc-tagged, FITC-Labeled

Cat. No. MSLN-316H Lot. No. (See product label)

## SPECIFICATION

**Product Overview**

Recombinant Human MSLN Protein, Fc-tagged, FITC-Labeled is expressed from human HEK293 cells. It contains AA Glu 296 - Gly 580 (Accession # AAH09272.1). It is the FITC labeled form of Human Mesothelin (296-580), Fc Tag. Predicted N-terminus: Glu 296. This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 58.6 kDa. The protein migrates as 60-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. Conjugate (FITC): Excitation source: 488 nm spectral line, argon-ion laser; Excitation Wavelength: 488 nm; Emission Wavelength: 535 nm. The FITC to protein molar ratio is 1-2.5. The primary amines in the side chains of lysine residues and the N-terminus of the protein are conjugated with FITC using standard chemical labeling method. The residual FITC is removed by molecular seive treatment during purification process.

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Glu 296 - Gly 580
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human Mesothelin (296-580), Fc Tag, premium grade (Cat. No. MSN-H5253) at 0.5 µg/mL (100 µL/well) can bind Anti-Human MSLN Mab with a linear range of 0.1-3 ng/mL.

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<b>Molecular Mass</b>	The protein has a calculated MW of 58.6 kDa. The protein migrates as 66-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	FITC

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MSLN mesothelin [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">MSLN</a>
<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>	<a href="#">10232</a>

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<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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