

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.

Species Human

Source HEK293

ProteinLength Glu 296 - Gly 580

Form Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Bio-activity 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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Molecular Mass	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.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	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.
Reconstitution	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.
Conjugation	FITC

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

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mRNA Refseq	NM_001177355
Protein Refseq	NP_001170826
MIM	601051
UniProt ID	Q13421

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