

## Recombinant Human MSLN Protein, His\Avi-tagged

Cat. No. MSLN-181H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Biotinylated Recombinant Human Mesothelin is produced by our Mammalian expression system and the target gene encoding Glu296-Ser598 is expressed with a 6His, Avi tag at the C-terminus.

**Species** Human

**Source** Human Cells

**Protein Length** 296-598 a.a.

**Description** Mesothelin is a cell surface glycoprotein whose expression is limited to mesothelial cells of the serosa (pleura, pericardium, and peritoneum) and epithelial cells of the trachea, tonsils, fallopian tube, and kidneys. Mesothelin plays an important role in cell survival, proliferation, migration, invasion, tumor progression, and resistance to chemotherapy. The overexpression of mesothelin can activate NF-κB and signal transducer and activator of transcription 3 (Stat3), inhibit apoptotic signaling and TNF-α-induced apoptosis, and accelerate the G1–S transition. Mesothelin is also found overexpressed in various cancers, including malignant mesothelioma, pancreatic or ovarian carcinoma, sarcomas and in some gastrointestinal or pulmonary carcinomas. As a result of its limited expression in normal tissues, mesothelin has been reported as an ideal tumor-associated marker for the development of targeted therapy.

**Form** Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

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|                    |                                |
|--------------------|--------------------------------|
| <b>AA Sequence</b> | Glu296-Ser598                  |
| <b>Endotoxin</b>   | Less than 0.1 ng/ug (1 EU/ug). |
| <b>Shipping</b>    | Ambient                        |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | MSLN mesothelin [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | MSLN  |
| <b>Synonyms</b>        | Megakaryocyte potentiating factor; mesothelin; Pre-pro-megakaryocyte-potentiating factor; soluble MPF mesothelin related protein; MPF; MSLN;SMR; CAK1; CAK1 antigen; SMRP |
| <b>Gene ID</b>         | 10232   |
| <b>mRNA Refseq</b>     | NM_001177355.3  |
| <b>Protein Refseq</b>  | NP_001170826.1  |
| <b>MIM</b>             | 601051  |
| <b>UniProt ID</b>      | Q13421  |

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