

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

**Cat. No.** MSLN-185HAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                                             |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 647 conjugated recombinant human MSLN protein, fused to Fc-tag, was expressed in HEK293 Cells.                                                                                                                                                                                  |
| <b>Species</b>                      | Human                                                                                                                                                                                                                                                                                       |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>                | 545                                                                                                                                                                                                                                                                                         |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                                                                 |
| <b>Bio-activity</b>                 | Testing in progress                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>               | The recombinant human MSLN/Fc is a disulfide-linked homodimer. The reduced monomer comprises 545 amino acids and has a predicted molecular mass of 60.7 kDa. The apparent molecular mass of the protein is approximately 65 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>N-terminal Sequence Analysis</b> | Glu                                                                                                                                                                                                                                                                                         |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                |
| <b>Purity</b>                       | > 85 % as determined by SDS-PAGE                                                                                                                                                                                                                                                            |

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| <b>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                   |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                      |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.                                          |
| <b>Conjugation</b>    | Alexa Fluor 647                                                                                                                                                     |

## GENE INFORMATION

|                        |                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MSLN                                                                                                                                                                        |
| <b>Official Symbol</b> | MSLN                                                                                                                                                                        |
| <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>         | 10232                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_005823                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_005814                                                                                                                                                                   |

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| MIM | 601051 |
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| UniProt ID | Q13421 |
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