Datasheet for ABIN7490827

# Mesothelin Protein (MSLN) (AA 37-286) (His tag)

1 Image

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | Mesothelin (MSLN) |
| Protein Characteristics: | AA 37-286 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Mesothelin protein is labelled with His tag. |

## Product Details

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| Purpose: | Recombinant human Mesothelin(37-286) protein with C-terminal 6xHis tag |
| Specificity: | Mesothelin (37-286) (Leu37-Arg286) 6xHis tag |
| Characteristics: | Extracellular Domain Protein |
| Purification: | Purified from cell culture supernatant by affinity chromatography |
| Purity: | The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining. |

## Target Details

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|---|---|
| Target: | Mesothelin (MSLN) |
| Alternative Name: | Mesothelin (MSLN Products) |
| Background: | This gene encodes a preproprotein that is proteolytically processed to generate two protein |

## Target Details

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| | products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiating factor functions as a cytokine that can stimulate colony formation of bone marrow megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. |
| Molecular Weight: | predicted molecular mass of 27.6 kDa after removal of the signal peptide. The apparent molecular mass of Mesothelin(37-286)-His is 25-35 kDa due to glycosylation. |
| UniProt: | Q13421 |
| Pathways: | EGFR Signaling Pathway, Positive Regulation of Peptide Hormone Secretion, Intracellular Steroid Hormone Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway, Carbohydrate Homeostasis, cAMP Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, Positive Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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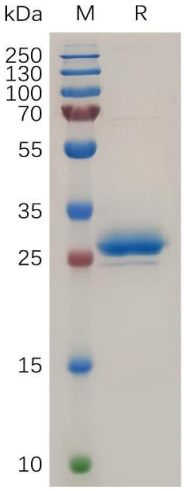
| Format: | Lyophilized |
| Buffer: | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Expiry Date: | 12 months |

## Images




### SDS-PAGE

**Image 1.** Human Mesothelin(37-286) Protein, His Tag on SDS-PAGE under reducing condition.