

## Recombinant Human Mesothelin/MSLN Protein (aa 296-598, His Tag)

**Catalog Number:** PKSH033310

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

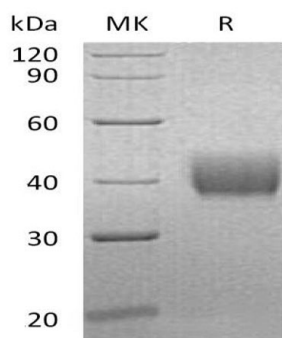
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human Mesothelin/MSLN protein Glu296-Ser598, with an C-terminal His
<b>Calculated MW</b>	34.9 kDa
<b>Observed MW</b>	35-50 kDa
<b>Accession</b>	AAH09272.1
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
<b>Reconstitution</b>	Please refer to the specific buffer information in the printed manual. Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

### For Research Use Only

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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- $\kappa$ B and signal transducer and activator of transcription 3 (Stat3); inhibit apoptotic signaling and TNF- $\alpha$ -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.