

Recombinant Human Mesothelin/MSLN Protein (aa 37-286, His Tag)

Catalog Number: PKSH032746

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

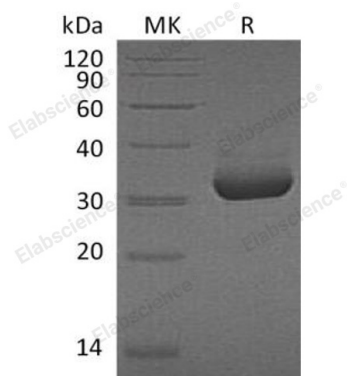
Description

Species	Human
Source	HEK293 Cells-derived Human Mesothelin;MSLN protein Leu37-Arg286, with an C-terminal His
Calculated MW	27.8 kDa
Observed MW	30-35 kDa
Accession	Q13421
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	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.
Reconstitution	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

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- κ B 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.