Datasheet for ABIN7275289

Mesothelin Protein (MSLN) (His tag)

2 Images

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Overview

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

Product Details

Sequence:	Asp298-Ser600
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Mesothelin (MSLN)
Alternative Name:	MSLN (MSLN Products)
Background:	MSLN, CAK1 antigen, CAK1, megakaryocyte potentiating factor, Mesothelin, MPF, MPFSMRP,Pre-pro-megakaryocyte-potentiating factor, SMR, soluble MPF mesothelin related protein,Mesothelin, also known as MSLN, is a protein that in humans is encoded by the MSLN gene.Cloning studies showed that the mesothelin gene encodes a precursor protein that is processed to yield mesothelin which is attached to the cell membrane by a

Target Details

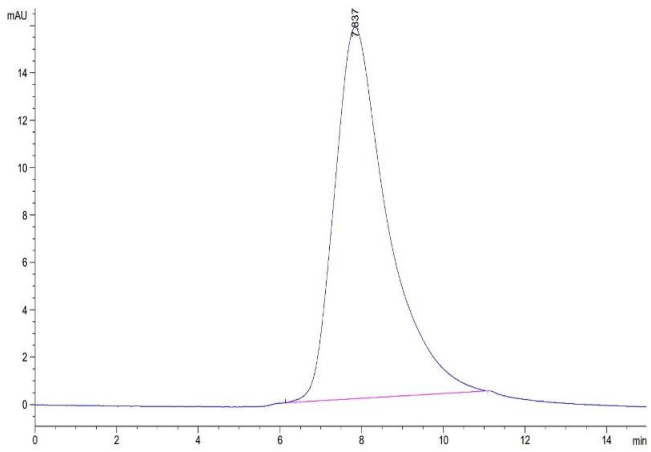
	glycophosphatidylinositol linkage and a 31- kDa shed fragment named megakaryocyte-potentiating factor (MPF).
Molecular Weight:	35.2 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result.
Pathways:	EGFR Signaling Pathway, Positive Regulation of Peptide Hormone Secretion, 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

Restrictions:	For Research Use only

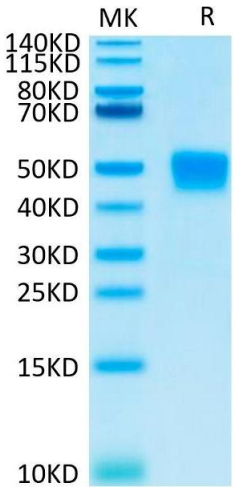
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse MSLN is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse MSLN on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .