For Research Use Only

Recombinant Human Mesothelin protein (Myc Tag, His Tag)

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Catalog Number: Eg31658

Basic Information

Species: Human
Purity: >90 %, SDS-PAGE
Tag: Myc Tag, His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human Mesothelin protein Glu296-Ser606 (Accession# Q13421-1) with a Myc tag and a His tag at the C-terminus.

GeneID:
10232

Accession:
Q13421-1

Predicted Molecular Mass:
40.1 kDa

SDS-PAGE:
40-60 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Mesothelin (MSLN) is a glycosylphosphatidylinositol-linked membrane glycoprotein which is highly expressed in a variety of tumors and is also expressed in mesothelial cells of healthy individuals, but at low levels. Therefore, it can be considered as a promising target protein for tumor-targeted therapy. In the tumor environment, MSLN plays an important role in survival, proliferation, and migration/invasion of cancer cells as well as in drug resistance.

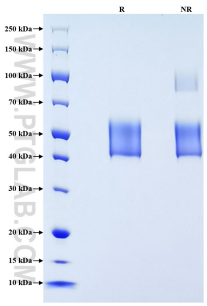
References

1. Zeng W, et al. (2022) Front Immunol. 13:925217.
2. Schoutrop E, et al. (2021) Cancer Res. 81:3022–35.
3. Weidemann S, et al. (2021) Biomedicines. 9:397.
4. Le K, et al. (2020) Int J Med Sci. 17:422–7.
5. Del Bano J, et al. (2019) Front Immunol.10:1593.

Synonyms

Mesothelin, MSLN, CAK1, CAK1 antigen, Megakaryocyte-potentiating factor

Selected Validation Data



Purity of Recombinant Human Mesothelin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.