

For Research Use Only

Recombinant Human MUC17 protein (His Tag)



Catalog Number: Eg0413

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
C-6*HIS

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human MUC17 protein Arg4131-Leu4390 (Accession# Q685J3-1) with a His tag at the C-terminus.

GeneID:

140453

Accession:

Q685J3-1

Predicted Molecular Mass:

12.6 kDa and 20.5 kDa

SDS-PAGE:

17 kDa and 28-38 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°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C 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

MUC17 is a membrane-bound mucin that provides protection to gut epithelial cells. MUC17 contains about 60 tandem repeats, with each repeat being around 60 aa. Membrane mucins, such as MUC17, function in epithelial cells to provide cytoprotection, maintain luminal structure, provide signal transduction, and confer antiadhesive properties upon cancer cells that lose their apical/basal polarization.

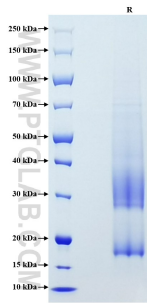
References

1. Gum JR Jr, Crawley SC, Hicks JW, Szymkowski DE, Kim YS. MUC17, a novel membrane-tethered mucin. *Biochem Biophys Res Commun* 1998;251:103-107.
2. Pelaseyed T, Bergström JH, Gustafsson JK, et al. The mucus and mucins of the goblet cells and enterocytes provide a protective barrier to the gut. *Proc Natl Acad Sci U S A* 2014;111:1051-1056.

Synonyms

MUC17, MUC 17, MUC 3, MUC-17, MUC3

Selected Validation Data



Purity of Recombinant Human MUC17 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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