

For Research Use Only

Recombinant Human MUC13 protein (rFc Tag)



Catalog Number: Eg6586

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Human MUC13 protein Thr19-Leu421 (Accession# Q9H3R2) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
56667

Accession:
Q9H3R2

Predicted Molecular Mass:
68.2 kDa

SDS-PAGE:
88-95 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

Mucins (MUC) are highly glycosylated proteins that are abundantly expressed in mammalian epithelial cells. Mucin 13 (MUC13) is a member of the transmembrane glycoprotein mucins, which are normally expressed in the large intestine, trachea, kidney, small intestine, and gastric epithelium. MUC13 is involved in the tumorigenesis of multiple malignancies, including pancreatic cancer, colorectal cancer, renal cancer, and lung cancer.

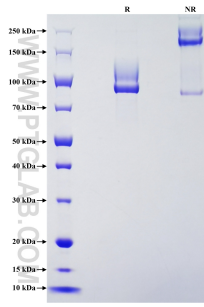
References

1. Chauhan, Subhash C et al. Mol Cancer Ther. vol. 11,1 (2012): 24-33.
2. Pang, Yao et al. Oncology letters vol. 23,1 (2022): 37.
3. Sheng, Yong Hua et al. Oncogene vol. 38,48 (2019): 7294-7310.

Synonyms

Down-regulated in colon cancer 1, DRCC1, MUC-13, Mucin-13, RECC

Selected Validation Data



Purity of Recombinant Human MUC13 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.

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

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