

Recombinant Human Mucin-17/MUC17 Protein

Catalog No.: RP03280 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	140453	Q685J3

Tags

C-hFc

Synonyms

Mucin-17; MUC-17; MUC17; MUC3;
MUC-3

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
56.2 kDa	(17-27)&(55-70) kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

Mucins belong to the family of large glycoproteins that constitute the major structural component of mucus. Mucins execute wide range of physiological functions like protection and lubrication of epithelial surfaces, maintaining epithelial integrity, aiding in cell adhesion and confer protection against pathogens, toxins and foreign particles. MUC-17 protein maintains mucosal homeostasis, contributing to environmental stability. Interacting via its C-terminus, MUC-17 crucially associates with PDZK1, ensuring proper cellular localization.

Basic Information

Description

Recombinant Human Mucin-17/MUC17 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg4131-Leu4390) of human Mucin-17/MUC17 (Accession #Q685J3) fused with a hFc tag at the C-terminus.

Bio-Activity

Shipping

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

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

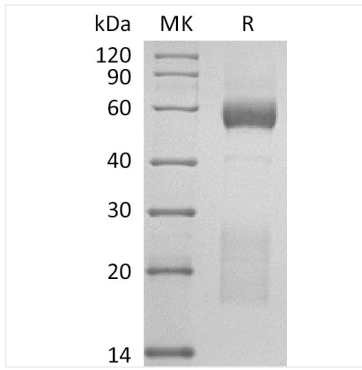
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human Mucin-17/MUC17
Protein was determined by SDS-PAGE under
reducing conditions with Coomassie Blue.