

**Catalog No.: RP03280** **Recombinant**

Species	Gene ID	Swiss Prot
Human	140453	O68513

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

<b>Source</b>	<b>Purification</b>
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

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

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

Lyophilized from a 0.22  $\mu\text{m}$  filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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.

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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.

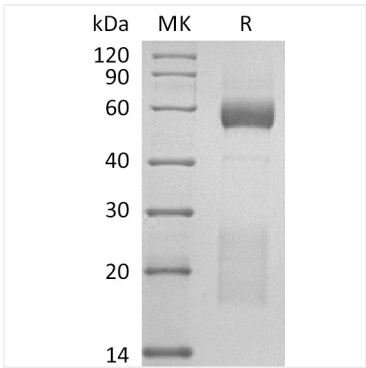
Recombinant Human Mucin-17/MUC17 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg4131-Leu4390) of human Mucin-17/MUC17 (Accession #Q685I3) fused with a hFc tag at the C-terminus.

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.

Validation Data



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