

Recombinant Human MUC5B Protein (His Tag)

Catalog Number: PDMH100383

Note: Centrifuge before opening to ensure complete recovery of vial contents.

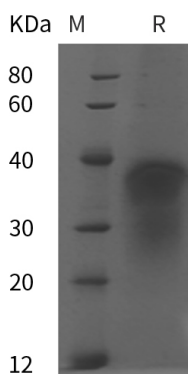
Description

Species	Human
Source	Mammalian-derived Human MUC5B protein Cys5653-Val5762, with an C-terminal His
Calculated MW	12.0 kDa
Observed MW	35 kDa
Accession	Q9HC84
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human MUC5B proteins, 2 µg/lane of Recombinant Human MUC5B proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 35 kDa.

Background

Gel-forming mucin that is thought to contribute to the lubricating and viscoelastic properties of whole saliva and cervical mucus.

Expressed on surface airway epithelia. Expressed mainly in mucous cells of submucosal glands of airway tissues.

Highly expressed in the sublingual gland. Also found in submaxillary glands, endocervix, gall bladder, and pancreas.

For Research Use Only