



Recombinant Protein Technical Manual
Recombinant Human Mucin5/MUC15 Protein (His
Tag)
RPES4886

Product Data:

Product SKU: RPES4886

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q8N387

Protein Information:

Molecular Mass: 24.1 kDa

AP Molecular Mass: 74 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Mucin5; MUC5; MUC15

Immunogen Information:

Sequence: Lys24-Thr 236

Background:

Mucin5 is a single-pass type I membrane protein member of the Mucin family. Mucins are a family of high molecular weight, heavily glycosylated proteins (glycoconjugates) produced by epithelial tissues in most metazoans. A key characteristic of Mucins is their ability to form gels. Therefore they are a key component in most gel-like secretions, serving functions from lubrication to cell signalling to forming chemical barriers. Mucin5 is expressed in many tissues. Mucin5 is highly glycosylated (N- and O-linked carbohydrates). Mucin5 may play a role in the cell adhesion to the extracellular matrix.