

Recombinant Human MUC5B Protein, His-tagged

Cat. No. MUC5B-2465H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MUC5B Protein (Cys5653-Val5762) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys5653-Val5762
Description	This gene encodes a member of the mucin family of proteins, which are highly glycosylated macromolecular components of mucus secretions. This family member is the major gel-forming mucin in mucus. It is a major contributor to the lubricating and viscoelastic properties of whole saliva, normal lung mucus and cervical mucus. This gene has been found to be up-regulated in some human diseases, including sinus mucosa of chronic rhinosinusitis (CRS), CRS with nasal polyposis, chronic obstructive pulmonary disease (COPD) and H. pylori-associated gastric disease, and it may be involved in the pathogenesis of these diseases.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.7 kDa Accurate Molecular Mass: 16 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MUC5B mucin 5B, oligomeric mucus/gel-forming [Homo sapiens (human)]
Official Symbol	MUC5B
Synonyms	MUC5B; mucin 5B, oligomeric mucus/gel-forming; MUC5, mucin 5, subtype B, tracheobronchial; mucin-5B; MG1; cervical mucin MUC5B; sublingual gland mucin; mucin 5, subtype B, tracheobronchial; high molecular weight salivary mucin MG1; MUC5; MUC9; MUC-5B;
Gene ID	727897

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mRNA Refseq	NM_002458
Protein Refseq	NP_002449
MIM	600770
UniProt ID	Q9HC84

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