

Recombinant Human MUC5B protein, His-tagged

Cat. No. MUC5B-784H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MUC5B aa. (Lys5366~Val5444) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys5366~Val5444
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	17kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.7.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Reconstitution	Reconstitute in PBS (pH7.4) 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	MG1; MUC5; MUC9; MUC-5B; cervical mucin MUC5B; high molecular weight salivary mucin MG1; mucin 5, subtype B, tracheobronchial; sublingual gland mucin; mucin-5B
Gene ID	727897
mRNA Refseq	NM_002458.2

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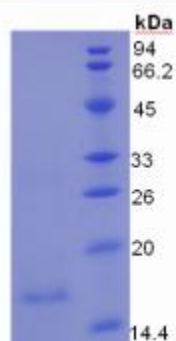
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Protein Refseq NP_002449.2

UniProt ID Q9HC84

SDS-PAGE



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