

Recombinant Human MUC5B, GST-tagged

Cat. No. MUC5B-1030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MUC5B(4186 a.a. - 4295 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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.
Molecular Mass	37.84 kDa
AA Sequence	CEEDSCQVRINTTILWHQGCETEVNITFCEGSCPGASKYSAEAQAMQHQCTCCQER RVHEETVPLHCPNGSAILH TYTHVDECGCTPFCVPAPMAPPHTRGFPAQEATAV
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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; MG1; MUC5; MUC9; MUC-5B; mucin-5B; cervical mucin MUC5B; high molecular weight salivary mucin MG1; mucin 5, subtype B, tracheobronchial; sublingual gland mucin
Gene ID	727897
mRNA Refseq	NM_002458
Protein Refseq	NP_002449
MIM	600770
UniProt ID	Q9HC84
Chromosome Location	11p15.5
Pathway	Metabolism of proteins; O-linked glycosylation; Post-translational protein modification; Salivary secretion
Function	protein binding

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