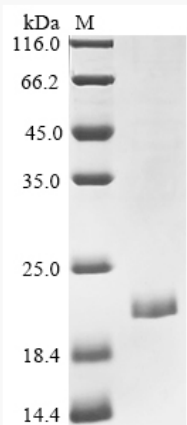


for research use only
Datasheet

Product Name	Recombinant Human Mucin-5B (MUC5B) , partial
Catalog Number	AAA18768
Expression host	<i>E.coli</i>
Product Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Buffer	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6%Trehalose, pH 8.0. The volume before lyophilization is 100µl/vial.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Gel-forming mucin that is thought to contribute to the lubricating and viscoelastic properties of whole saliva and cervical mucus.
AA sequence	ELGQVVECSLDFGLVCRNREQVGKFKMCFNYEIRVFCCNYGHCPSTPATSSSTA MPSSTPGTTWILTELTATTTASTGSTATPSSTPGTAPPPKVLTSPTTPTATSSK
References	"Characterization of human mucin 5B gene expression in airway epithelium and the genomic clone of the amino-terminal and 5'-flanking region." Chen Y., Zhao Y.H., Di Y.P., Wu R. Am. J. Respir. Cell Mol. Biol. 25:542-553(2001)

Certificate of Analysis

Product Name	Recombinant Human Mucin-5B (MUC5B) , partial		
Catalog Number	AAA18768		
Expression host	E.coli		
Product Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged		
Buffer	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6%Trehalose, pH 8.0. The volume before lyophilization is 100μl/vial.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DA05253b1g0		
Nature	Human MUC5B-(AA 4186-4295)- Q9HC84 -Partial Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week after reconstitution	
	Long term	-20 to -80 °C, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2023.07.27		
Test Items	Specifications		Results
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		93%
Molecular Weight	Predicted band size: 18.9 kDa		Observed band size: 20 kDa

for research use only

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Aseptic Processing	Not done
Endotoxin Level	Untreated
Activity	Not tested
Conclusion	pass