

Recombinant Human MUC7 Protein, His&GST-tagged

Cat. No. MUC7-1806H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MUC7 Protein (Arg23-Gln377) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg23-Gln377
Description	This gene encodes a small salivary mucin, which is thought to play a role in facilitating the clearance of bacteria in the oral cavity and to aid in mastication, speech, and swallowing. The central domain of this glycoprotein contains tandem repeats, each composed of 23 amino acids. This antimicrobial protein has antibacterial and antifungal activity. The most common allele contains 6 repeats, and some alleles may be associated with susceptibility to asthma. Alternatively spliced transcript variants with different 5' UTR, but encoding the same protein, have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 66.8 kDa Accurate Molecular Mass: 85 kDa
Purity	> 90%

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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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MUC7 mucin 7, secreted [Homo sapiens (human)]
Official Symbol	MUC7
Synonyms	MUC7; mucin 7, secreted; mucin 7, salivary; mucin-7; FLJ27047; MG2; MUC-7; apo-MG2; salivary mucin-7; MGC34772; DKFZp686J03256;
Gene ID	4589
mRNA Refseq	NM_001145006
Protein Refseq	NP_001138478

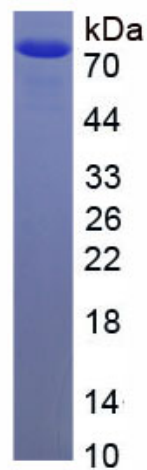
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UniProt ID Q8TAX7



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