

# Recombinant Human MUC5B protein, His&Myc-tagged

**Cat. No.** MUC5B-4400H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MUC5B protein(Q9HC84)(4186-4295aa), fused to N-terminal His tag and C-terminal Myc tag, was expressed in E. coli.                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 4186-4295aa                                                                                                                                                                                                                        |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 18.9 kDa                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | ELGQVVECSLDFGLVCRNREQVGKFKMCFNYEIRVFCCNYGHCPSTPATSSSTAMPS<br>STPGTTWILTELTTTATTTASTGSTATPSSTPGTAPPPKVLTSPTTPTATSSK                                                                                                                 |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                           |
| <b>Reconstitution</b>   | 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                                                            |

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long-term storage at -20°C/-80°C.

**GENE INFORMATION**

|                        |                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MUC5B mucin 5B, oligomeric mucus/gel-forming [ Homo sapiens ]                                                                                                                                                                                               |
| <b>Official Symbol</b> | MUC5B                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 727897                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_002458                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_002449                                                                                                                                                                                                                                                   |
| <b>MIM</b>             | 600770                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | Q9HC84                                                                                                                                                                                                                                                      |

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