

## Recombinant Rat Muc5ac protein, His & T7-tagged

**Cat. No.** Muc5ac-7628R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Muc5ac aa. (Val324~Gln406) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                                        |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Val324~Gln406                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 17.4kDa                                                                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                |
| <b>Characteristic</b>   | The isoelectric point is 5.4.                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>        | 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. |

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|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                       |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                  |

## GENE INFORMATION

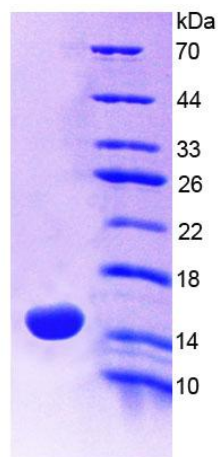
|                        |                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Muc5ac mucin 5AC, oligomeric mucus/gel-forming [ <i>Rattus norvegicus</i> (Norway rat) ]                       |
| <b>Official Symbol</b> | Muc5ac                                                                                                         |
| <b>Synonyms</b>        | mucin 5, subtypes A and C, tracheobronchial/gastric; LOW QUALITY PROTEIN: mucin-5AC; mucin 5, subtypes A and C |
| <b>Gene ID</b>         | 682837                                                                                                         |
| <b>mRNA Refseq</b>     | XM_008760037.2                                                                                                 |
| <b>Protein Refseq</b>  | XP_008758259.1                                                                                                 |
| <b>UniProt ID</b>      | O35888                                                                                                         |

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SDS-PAGE



15% SDS-PAGE

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