

## Recombinant Mouse Muc2 protein, His-tagged

**Cat. No.** Muc2-689M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Muc2 aa. (Ala27~Asn110 (Accession# Q80Z19)) fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Ala27~Asn110                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 11kDa as determined by SDS-PAGE reducing conditions                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                |
| <b>Characteristic</b>   | The isoelectric point is 6.6.                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.                                                                                                                                                                                                                                                               |
| <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>Concentration</b>  | 200g/mL                                                                                                    |
| <b>Storage buffer</b> | PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300                                |
| <b>Reconstitution</b> | Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                            |

## GENE INFORMATION

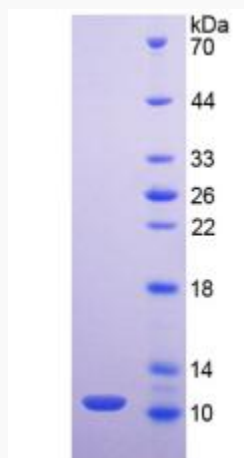
|                        |                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Muc2 mucin 2 [ <i>Mus musculus</i> (house mouse) ]                                         |
| <b>Official Symbol</b> | Muc2                                                                                       |
| <b>Synonyms</b>        | Muc2; mucin 2; MCM; wnn; 2010015E03Rik; mucin-2; colonic mucin; secreted gel-forming mucin |
| <b>Gene ID</b>         | 17831                                                                                      |
| <b>mRNA Refseq</b>     | NM_023566.3                                                                                |
| <b>Protein Refseq</b>  | NP_076055.3                                                                                |
| <b>UniProt ID</b>      | Q80Z19                                                                                     |

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SDS-PAGE



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