

Recombinant Rat Muc2 Protein, His-tagged

Cat. No. Muc2-1803R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Muc2 Protein (Val33-Ala601) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Val33-Ala601
Description	Enables identical protein binding activity. Involved in several processes, including cellular response to tumor necrosis factor; response to lipopolysaccharide; and response to vitamin A. Located in cytoplasm; mucus layer; and nucleus. Used to study colitis; intestinal disease; and pneumonia. Biomarker of several diseases, including colitis (multiple); colon cancer; liver cirrhosis; mucositis; and perinatal necrotizing enterocolitis. Human ortholog(s) of this gene implicated in asthma. Orthologous to human MUC2 (mucin 2, oligomeric mucus/gel-forming).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 63 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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.

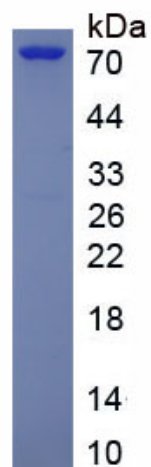
GENE INFORMATION

Gene Name	Muc2 mucin 2, oligomeric mucus/gel-forming [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Muc2
Synonyms	MUC2; mucin 2, oligomeric mucus/gel-forming; mucin-2; MUC-2; intestinal mucin-2; HH-Muc;
Gene ID	24572
mRNA Refseq	XM_039101270
Protein Refseq	XP_038957198
UniProt ID	Q62635

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