

## Recombinant Rat Muc4 Protein, His-tagged

**Cat. No.** Muc4-1805R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Muc4 Protein (Pro1141-Pro1316) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro1141-Pro1316
<b>Description</b>	Enables ErbB-2 class receptor binding activity. Involved in several processes, including estrous cycle; negative regulation of T cell mediated cytotoxicity directed against tumor cell target; and negative regulation of cell adhesion. Located in several cellular components, including apical plasma membrane; extracellular space; and microvillus membrane. Part of protein-containing complex. Colocalizes with endoplasmic reticulum. Biomarker of cholangiocarcinoma; corneal neovascularization; mucositis; and otitis media. Human ortholog(s) of this gene implicated in pancreatic cancer. Orthologous to human MUC4 (mucin 4, cell surface associated).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 24.3 kDa Accurate Molecular Mass: 24 kDa
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<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 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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Muc4 mucin 4 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Muc4</a>
<b>Synonyms</b>	MUC4; mucin 4; ASGP-1;
<b>Gene ID</b>	<a href="#">303887</a>
<b>mRNA Refseq</b>	<a href="#">XM_039088927</a>
<b>Protein Refseq</b>	<a href="#">XP_038944855</a>
<b>UniProt ID</b>	<a href="#">Q63661</a>

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