

Recombinant Mouse MUC1 Protein, His-tagged

Cat. No. MUC1-77M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MUC1 Protein, fused to His-tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
Description	<p>Predicted to enable RNA polymerase II cis-regulatory region sequence-specific DNA binding activity; p53 binding activity; and transcription coregulator activity. Predicted to be involved in several processes, including DNA damage response, signal transduction by p53 class mediator; negative regulation of intrinsic apoptotic signaling pathway in response to DNA damage by p53 class mediator; and regulation of transcription, DNA-templated. Located in apical plasma membrane and cell surface. Is expressed in several structures, including brain; exocrine gland; genitourinary system; gut; and respiratory system. Human ortholog(s) of this gene implicated in several diseases, including allergic rhinitis; biliary tract benign neoplasm; dry eye syndrome; familial juvenile hyperuricemic nephropathy; and pancreatic cancer (multiple). Orthologous to human MUC1 (mucin 1, cell surface associated).</p>
Form	Lyophilized from a 0.2µm filtered solution of PBS and 5% mannitol, 5% trehalose.
Molecular Mass	19.3 kDa
AA Sequence	<p>HHHHHHTSSVLGSATSLVYNTSAIATTPVSNGTQPSVPSQYPVSPTMATTSSHSTIA SSSYYSTVPFSTFSSNSSPQLSVGVSVFFFLSFYIQNHFPNSSLEDPSSNYYQELKRNI SGLFLQIFNGDFLGISSIKFRSGSVVVVESTVVFREGTFSASDVKSQLIQHKKEADDYN</p>

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LTIS

Purity

>90%

Storage

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene NameMuc1 mucin 1, transmembrane [*Mus musculus* (house mouse)]**Official Symbol**

MUC1

Synonyms

EMA; CD227; Muc-1

Gene ID

17829

mRNA Refseq

NM_013605

Protein Refseq

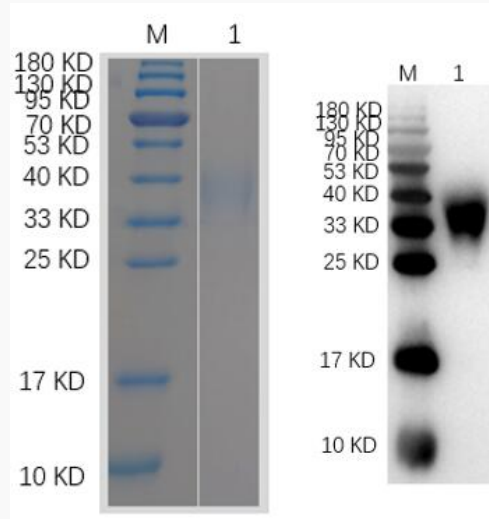
NP_038633

UniProt ID

Q02496

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SDS-PAGE



Reducing 12% SDS-PAGE and WB analysis profile of purified MUC1.

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