

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	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).
Form	Lyophilized from a 0.2µm filtered solution of PBS and 5% mannitol, 5% trehalose.
Molecular Mass	19.3 kDa
AA Sequence	HHHHHHTSSVLGSATSLVYNTSAIATTPVSNGTQPSVPSQYPVSPTMATTSSHSTIA SSSYYSTVPFSTFSSNSSLVGVSVFFFLSFYIQNHFPNSSLEDPSSNYYQELKRNI SGLFLQIFNGDFLGISSIKFRSGSVVVESTVVFREGTFSASDVKSQLIQHKKEADDYN

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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

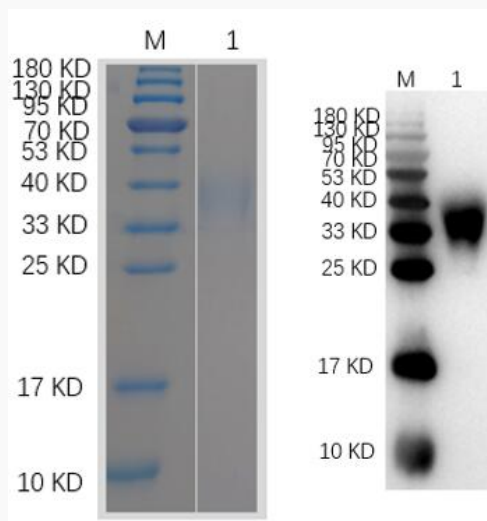
Gene Name	Muc1 mucin 1, transmembrane [Mus musculus (house mouse)]
Official Symbol	MUC1
Synonyms	EMA; CD227; Muc-1
Gene ID	17829
mRNA Refseq	NM_013605
Protein Refseq	NP_038633
UniProt ID	Q02496

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SDS-PAGE



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

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