

Recombinant Mouse Muc1 protein, His/GST-tagged

Cat. No. Muc1-106M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Muc1(Ser410~Ala525) fused with His/GST tag at the N-terminus was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser410~Ala525
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	Predicted Molecular Mass: 45.0kDa
AA Sequence	The target protein is fused with two N-terminal Tags, His-tag and GST-tag, its sequence is listed below. MSPILGYWKI KGLVQPTRLLEYLEEKYEE HLYERDEGDK WRNKKFELGLEFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSR IAYSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KR IEAIPQID KYLKSSKYIA WPLQG WQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR GSTAIGMKET AAKFERQHM DSPDLGTLEV LFQGPLGSEF- S PQLSVGVVSFF FLSFYIQNHP FNSSLED PSS NYYQELKRNI SGLFLQIFNG DFLGISSIKF RSGSVVVEST VVFREGTFSA SDVKSQLIQH KKEADDYNLT ISEVKVNEMQ FPPSA
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	Muc1 mucin 1, transmembrane [Mus musculus]
Official Symbol	Muc1
Synonyms	MUC1; mucin 1, transmembrane; mucin-1; episialin; EMA; CD227; Muc-1;
Gene ID	17829
mRNA Refseq	NM_013605
Protein Refseq	NP_038633
MIM	
UniProt ID	Q02496
Chromosome Location	3 F1; 3 39.02 cM
Pathway	IL-7 Signaling Pathway, organism-specific biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem;

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Function

RNA polymerase II core promoter proximal region sequence-specific DNA binding;
p53 binding; transcription cofactor activity;

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