

Mucin 1 (MUC1) Recombinant Protein | MUC1 recombinant protein

Recombinant Mucin 1 (MUC1)

CATALOG # AAA20263	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS SDS-Page, Western Blot
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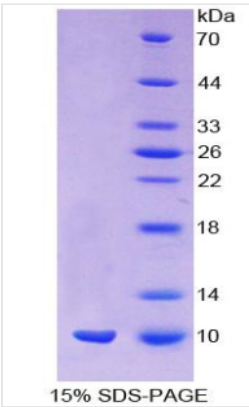
PRODUCT SYNONYMS

Mucin 1 (MUC1); Recombinant Mucin 1 (MUC1); MUC1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 97%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose
Concentration	Original Concentration: 300ug/mL (varies by lot)
Applicable Applications for MUC1 recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	Ser410~Ala525
Tags	N-terminal His Tag
Subcellular Location	Membrane, Nucleus, Chromosome
Traits	Freeze-dried powder
Predicted isoelectric point	6.0
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: 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 degree C 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.

IMAGES



S PQLSVGVSF FLSFYIQNHP FNSLEDPS NYVQELKRNI
SGLFLQIFNG DFLGISSIKF RSGSVVVEST VVFREGTFSA SDVKSQLIQH
KKEADDYNLT ISEKVNEMQ FPPSA

Sequence Information

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305293
NCBI GeneID	17829
NCBI Accession #	NP_038633.1
NCBI GenBank Nucleotide #	NM_013605.2
UniProt Accession #	Q02496
Molecular Weight	Predicted Molecular Mass: 14.6kDa Accurate Molecular Mass: 10kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	mucin-1
NCBI Official Synonym Full Names	mucin 1, transmembrane
NCBI Official Symbol	Muc1
NCBI Official Synonym Symbols	EMA; CD227; Muc-1
NCBI Protein Information	mucin-1; episialin
UniProt Protein Name	Mucin-1
UniProt Gene Name	Muc1
UniProt Synonym Gene Names	Muc-1; MUC-1; MUC1-NT; MUC1-alpha; MUC1-beta
UniProt Entry Name	MUC1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/muc1-recombinant-protein-e-coli-positive-control-immunogen-sds-page-wb-western-blot/20263>