

Recombinant Mucin 1 (MUC1) Instruction Manual

SIPA419Bo01

Bos taurus; Bovine (Cattle)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Nucleus, Cytoplasm
Predicted Molecular Mass	49.6kDa
Accurate Molecular Mass	50kDa(Analysis of differences refer to the manual)
Residues & Tags	Asn23~Ala489 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	7.5
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                NVPTLTTS DSINPRRTTP VSTTQSSPTS  
SPTKETSWSST TTTLLTASSP APSPAASPGH DGASTPTSSP APSPAASPGH  
DGASTPTSSP APSPAASPGH DGASTPTSSP APSPAASPGH DGASTPTSSP  
APSPAASPGH NGTSSPTGSP APSPAASPGH DGASTPTSSP APSPAASPGH  
NGTSSPTGSP APSPAASPGH DGASTPTSSP APSPAASPGH NGTSSPTGSP  
APSPTASPGH DSAPSLTSSP APSPTASPGQ HGASSPTSSD TSSMTTRSMS  
SSMVTSAHKG TSSRATMPV SKGTPSSVPS SETAPTAASH ITRTAASSPS  
IALSTSSNPK TSQQLSVRVS LYFLSFRITN LQFNSSLENP QTSYYQELQR  
SIWGLILQIY KQRDFLGLSE IKFRPGSVVV ELTLAFREGT TAEWVKAQFS  
QLEAHAASYN LTISGVSVYS APFPSSAQAG SGVPGWGIA
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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°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.

Image

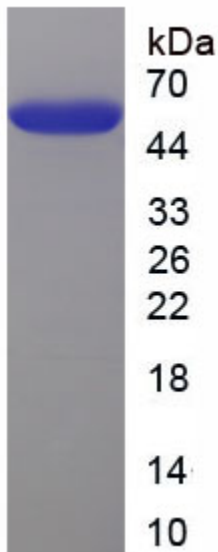


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.