

Mucin 2 (MUC2) Recombinant Protein | MUC2 recombinant protein

Recombinant Mucin 2 (MUC2)

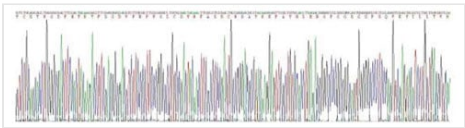
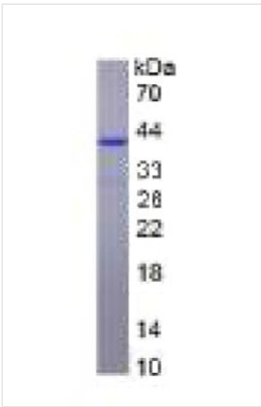
CATALOG # AAA147971	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Mucin 2 (MUC2); Recombinant Mucin 2 (MUC2); MLP; SMUC; Oligomeric Mucus/Gel-Forming; Mucin 2; Intestinal/Tracheal; MUC2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence Positions	Val36~Cys351
Applicable Applications for MUC2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Sus scrofa; Porcine (Pig)
Source	Prokaryotic expression
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
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 20mM Tris, 150mM NaCl (pH8.0) 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°C for one month. Aliquot and store at -80°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°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.



Application Data
Figure. Gene Sequencing (Extract

SDS-PAGE
Figure.SDS-PAGE

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VCSTW GDFHYKTFDG DVFRFPGLCD
YNFASDCRDA YKEFAVHLRR GPGGSGGPSQ VEYILLTVKD DTIYLTQQLV VVNGAMVSTP
HYPGGLLTER SAIYTKVYSR AGLALVWNR DSVHLELDSK FQNHCTGLCG DYNGLQTYSE
FLSEGIPFSP LEFGWQKIN KPEEKDDPE EAQAKLSCSE HRAECERLLT DVAFEDCQGL
VPLELYVQAC VQDRQCPCQG TSCVCSITAE FSRQCSHAGG RPQNRITAKL CPKSCPGNMV
YLESSSPVD TCSHLEVSSL CEEHRMDGCF CPEGTVYDDI AGRGCTPVSQ C
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Application Data
Sequence

NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted Isoelectric point: 4.6 Predicted Molecular Mass: 38.7kDa Accurate Molecular Mass: 42kDa as determined by SDS-PAGE reducing conditions.
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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.

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Online datasheet: <https://stage.aaabiotech.com/mucin-2-muc2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/147971>