

Uromodulin (UMOD) Recombinant Protein | UMOD recombinant protein

Recombinant Uromodulin (UMOD)

CATALOG # AAA153660	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Uromodulin (UMOD); Recombinant Uromodulin (UMOD); Uromodulin; UMOD recombinant protein (prokaryotic); Mouse; THP; Uromucoid; Tamm-Horsfall Glycoprotein; Tamm-Horsfall urinary glycoprotein; UMOD recombinant protein

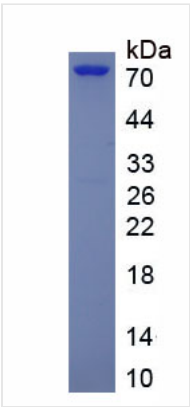
PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 5% Trehalose
Concentration	Original Concentration: 50ug/mL (varies by lot)
Applicable Applications for UMOD recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Asn25~Phe588
Tags	N-terminal His Tag
Subcellular Location	Membrane, Secreted
Predicted isoelectric point	4.4
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-0.3 mg/mL. Do not vortex.
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.
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

NSTEARRCSECHNNATCTVDGVVTTCSQQTGFTGDGLVCEDMDECATPWTHNCSNSSCV
NTPGSFKSCQDGFRLTPELSCTDVDECSEQGLSNCHALATCVNTEGDYLCVCEGFTGDG
WYCECSPGSCPEGLDCLPQGPDPGLVCQDPCNTYETLTLEYWRSTYGVGYSCDAGLHGWI
RFTGQGGVMAETCVPVLRNCTAAPMWLNGSHPSSEGIVSRACAHWSQCCRWSTEI
QVKACPGGFYIYNLTAPPECNLAYCTDPSSVEGTCEECDVEDCISDNWRWCQCKQDSNI
TDVSQLYRLGEGANDIKMSLRKQLQSLGFMNVFMYLNDRCQSGFSESDERDWMVSVTP
ARNPGCGTVLRRNETHATYSNTLYLANAIIIRDMNFECYPLDMKVSLSLQPMVSAL
NISLGGTGKTVRRMALFQSPITYTQPHQGPSVMLSTEAFVYGTMLDGGDLRFVLLMTNICY
ATPSSNSTDPVKYFIQDSCPTEDTTIQVTENGESSQARFSVQMFAGNYDLVYLHCEVYL
CDSTSEQCKPTCSGTRF

Amino Acid Info



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for UMOD recombinant protein	Prokaryotic proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	519666773
NCBI GeneID	22242
NCBI Accession #	NP_001265534.1
NCBI GenBank Nucleotide #	NM_001278605.1
UniProt Accession #	Q91X17; Q3TN64; Q3TP60; Q62285
Molecular Weight	Predicted Molecular Mass: 65.9kDa Accurate Molecular Mass: 71kDa as determined by SDS-PAGE reducing conditions
NCBI Official Full Name	uromodulin preproprotein
NCBI Official Synonym Full Names	uromodulin
NCBI Official Symbol	Umod
NCBI Official Synonym Symbols	THP; Urehd1; urehr4
NCBI Protein Information	uromodulin
UniProt Protein Name	Uromodulin
UniProt Gene Name	Umod
UniProt Synonym Gene Names	THP

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/umod-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/153660>