



Recombinant Mouse Uromodulin (Umod), partial

Product Code	CSB-YP025616MO
Relevance	Uromodulin: Functions in biogenesis and organization of the apical membrane of epithelial cells of the thick ascending limb of Henle's loop (TALH), where it promotes formation of complex filamentous gel-like structure that may play a role in the water barrier permeability. May serve as a receptor for binding and endocytosis of cytokines (IL-1, IL-2) and TNF. Facilitates neutrophil migration across renal epithelia. By similarity Uromodulin, secreted form: In the urine, may contribute to colloid osmotic pressure, retards passage of positively charged electrolytes, prevents urinary tract infection and inhibits formation of liquid containing supersaturated salts and subsequent formation of salt crystals.
Abbreviation	Recombinant Mouse Umod protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q91X17
Alias	Tamm-Horsfall urinary glycoprotein Short name: THP Cleaved into the following chain: Uromodulin, secreted form
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	NSTEARRCSECHNNATCTVDGVVTTTCSCQTGFTGDGLVCEDMDECATPWITH NCSNSSCVNTPGSFKCSCQDGFRLTPELSCTDVDECSEQGLSNCHALATCVN TEGDYLCVCPGFTGDGWYCECSPGSCEPGLDCLPQGPDKLVCQDPCNTY ETLTEYWRSTEYGVGYSCDAGLHGWRFTGQGGVRMAETCVPVLRNNTAAP MWLNGSHPSSEGIVSRTACAHWSDQCCRWSTEIQVKACPGGFYIYNLTAPP ECNLAYCTDPSSVEGTCEECDVDEDCISDNWRWRCQCKQDSNITDVSQLEYR LECGANDIKMSLRKCQLQSLGFMNVFMYLNDRQCSESGFSESDERDWMSIVTPA RNGPCGTVLRRNETHATYSNTLYLANAIIIRDIIIRMFECYPLDMKVSLKTSQ PMVSALNISLGGTGKFTVRMALFQSPTYTQPHQGPSVMLSTEAFVYVGTMLD GGDLRSFVLLMTNCYATPSSNSTDPVKYFIIQDSCPRTEDTTIQVTENGESSQA RFSVQMFRAFAGNYDLVYLHCEVYLCDSTSEQCKPTCSGTRF
Research Area	Others
Source	Yeast
Target Names	Umod
Protein Names	Recommended name: Uromodulin Alternative name(s): Tamm-Horsfall urinary glycoprotein Short name= THP Cleaved into the following chain: 1. Uromodulin, secreted form
Expression Region	25-588aa



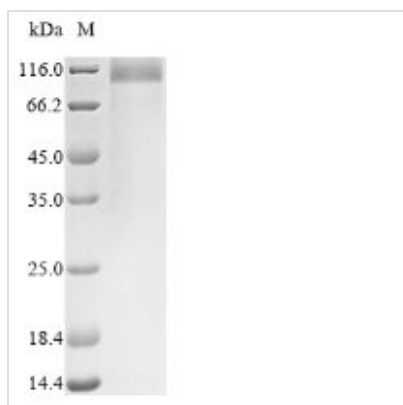
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info N-terminal 6xHis-tagged

Mol. Weight 64.2kDa

Protein Length Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.