

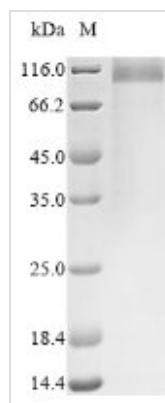


Recombinant Mouse Uromodulin (Umod), partial

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	NSTEARRCSECHNNATCTVDGVVTTCSQGTGFTGDGLVCEDMDECATPWITH NCSNSSCVNTPGSFKCSCQDGFRLTPELSCTDVMDECSEQGLSNCHALATCVN TEGDYLCVCEPFTGDGWYCECSPGSCEPGLDCLPQGPDKLVQDPCNTY ETLTEYWRSTEYGVGYSCDAGLHGWRFTGQGGVRMAETCVPVLRCNTAAP MWLNGSHPSSEGIVSRTACAHWSDQCCRWSTEIQVKACPGGFYIYNLTAPP ECNLAYCTDPSSVEGTCEECDVDEDCISDNWRWRCQCKQDSNITDVSQLEYR LECGANDIKMSLRKCQLQSLGFMNVFMYLNDRCQSGFSESDERDWMMSIVTPA RNGPCGTVLRNETHATYSNTLYLANAIIIRDIIIRMNFECSYPLDMKVSLKTSLQ PMVSALNISLGGTGKFTVRMALFQSPTYTQPHQGPSVMLSTEAFLYVGTMLD GGDLRFVLLMTNCYATPSSNSTDPVKYFIIQDSCPRTEDTTIQVTENGESSQA RFSVQMFRFAGNYDLVYLHCEVYLCDDSTSEQCKPTCSGTRF
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.

Description

The Recombinant Mouse Umod is a superior quality recombinant protein tailored for researchers working on Uromodulin studies. This protein mirrors the Uromodulin, also acknowledged as Tamm-Horsfall urinary glycoprotein or THP, in the Mouse species. Crafted using a Yeast expression system, this partial protein ensures faithful representation of the natural protein, providing trust in your experimental results.

Extending from the 25th to the 588th amino acid sequence, the Recombinant Mouse Umod embodies a substantial segment of the native protein. The inclusion of an N-terminal 6xHis-tag facilitates efficient purification and detection processes. This protein product showcases purity surpassing 90%, as established by SDS-PAGE, guaranteeing you a high-grade product for your research needs. The Recombinant Mouse Umod can be acquired in either liquid or lyophilized powder form, depending on your experimental and storage needs.

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.