

## Recombinant Mus musculus Uromodulin

Catalog No: #AP72836



Package Size: #AP72836-1 20ug #AP72836-2 100ug #AP72836-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant Mus musculus Uromodulin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-588aaSequence Info:Partial
Other Names	Tamm-Horsfall urinary glycoprotein Short name: THP Cleaved into the following chain: Uromodulin, secreted form
Accession No.	Q91X17
Uniprot	Q91X17
GeneID	22242;
Calculated MW	64.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	NSTEARRCSECHNNATCTVDGVVTTCSQQTGFTGDGLVCEDMDECATPWHNCSNSSCVNTPGSFKCSCQ DGFRLTPELSCTDVDECSEQLSNCHALATCVNTEGDYLCVCEGFTGDGWYCECSPGSCEPGLDCLPQGP DGKLVQCQDPCNTYETLLEYWRSTEYGVGYSCDAGLHGWRFTGQGGVMAETCVPVLRNNTAAPMWLNG SHPSSSEGIVSRACAHWSDQCCRWSTEIQVKACPGGFYIYNLTAPPECNLAYCTDPSSVEGTCEECDVDED CISDNGRWRCQCKQDSNITDVSQLEYRLECGANDIKMSLRKQQLSLGFMNVFMYLNDRCQSGFSESDE WMSIVTPARNGPCGTVLRRNETHATYSNTLYLANAIIIRDIIRMNFECSYPLDMKVSLKTSLQPMVSALNISLGG TGKFTVRMALFQSPTYTQPHQGPSVMLSTEAFLYVGTMLDGGDLRSFVLLMTNICYATPSSNSTDPVKYFIIQD SCRPTEDTTIQTENGESSQARFSVQMFRFAGNYDLVYLHCEVYLCDDSTSEQCKPTCSGTRF
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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.

## References

---

"Tamm-Horsfall protein knockout mice are more prone to urinary tract infection: rapid communication." Bates J.M., Raffi H.M., Prasad K., Mascarenhas R., Laszik Z., Maeda N., Hultgren S.J., Kumar S. *Kidney Int.* 65:791-797(2004) Research Topic: Others

---

Note: This product is for in vitro research use only