

Recombinant Mouse UMOD Protein Product Manual

1. Product Basic Information

Product No.: REP08602

Protein Name: Tamm-Horsfall Urinary Glycoprotein (UMOD)

Aliases: THP; FJHN; HNFJ; THGP; HNFJ1; MCKD2; ADTKD1; ADMCKD2; uromucoid; uromodulin; Tamm-Horsfall urinary glycoprotein

UniProt ID: P07911

UniProt Link: <https://www.uniprot.org/uniprotkb/P07911/entry>

Species Source: Mus musculus (Mouse)

Expression System: Yeast

Protein Length: Partial (25-588aa)

Molecular Weight: 64.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (25-588aa)

NSTEARRCSECHNNATCTVDGVVTTCSQGTGFTGDGLVCEDMDECATPWTHNCS
NSSCVNTPGSFKCSCQDGFRLTPELSCTDVDECSEQGLSNCHALATCVNTEGDYL
CVCPEGFTGDGWYCECSPGSCEPGLDCLPQGPDKLVCQDPCNTYETLLEYWRS
TEYGVGYSCDAGLHGWRFTGQGGVMAETCVPVLRNNTAAPMWLNGSHPS
EGIVSRTACAHWSDQCCRWSTEIQVKACPGGFYIYNLTAPPECNLAYCTDPSSVEG
TCEECRVDEDCISDNGRWRCQCKQDSNITDVSQLEYRLECGANDIKMSLRKCQLQ
SLGFMNVFMYLNDQRCSGFSESDERDWMSIVTPARNGPCGTVLRNETHATYSNT
LYLANAIIIRDIIIRMNFECYPLDMKVSLKTSLQPMVSALNISLGGTGKFTVRMALFQ
SPTYTQPHQGSPVMLSTEAFLYVGTMLDGGDLRSFVLLMTNCYATPSSNSTDPVK
YFIIQDSCPRTEDTTIQVTENGESSQARFSVQMFRFAGNYDLVYLHCEVYLCSTSE
QCKPTCSGTRF

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).



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Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse UMOD partial protein (25-588aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. UMOD, also known as THP or FJHN or HNFJ, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.