

PRODUCT DATA SHEET

Uromodulin Human NATIVE (Human urine)

Cat. No.: RD172163100

Size: 0.1 mg

Source: Human urine

Type: Native protein

Species: Human

Other Names:

Tamm-Horsfall urinary glycoprotein, THP, UMOD

Description:

Native protein isolated from human urine, 590 AA, 64,265 kDa (calculated without glycosylation). Protein identity confirmed by MS.

Amino Acid Sequence:

DTSEARWCSE CHSNATCTED EAVTTCTCQE GFTGDGLTCV DLDECAIPGA HNCANSSSCV
NTPGSFSCVC PEGFRLSPGL GCTDVDECAE PGLSHCHALA TCVNVVGSYL CVCPAGYRGD
GWHCECSPGS CGPGLDCVPE GDALVCADPC QAHRTLDEYW RSTEYGEHYA CDTDLRGWYR
FVGQGGARMA ETCVPVLRN TAAPMWLNGT HPSSDEGIVS RKACAHWSGH CCLWDASVQV
KACAGGYVYV NLTAPPECHL AYCTDPSSVE GTCEECSEIDE DCKSNNGRWH CQCKQDFNIT
DISLLEHRLE CGANDMKVSL GKCQLKSLGF DKVFMVLSDS RCGSFNDRDN RDWVSVVTPA
RDGPCGTVLT RNETHATYSN TLYLADEIII RDLNIKINFA CSYPLDMKVS LKTALQPMVS
ALNIRVGGTG MFTVRMALFQ TPSYTQPYQG SSVTLSTEAF LYVGTMLDGG DLSRFALLMT
NCYATPSSNA TDPLKYFIIQ DRCPHTRDST IQVVENGESE QGRFSVQMFR FAGNYDLVYL
HCEVYLCDTM NEKCKPTCSG TRFRSGSVID QSRVNLNLP I TRKGVQATVS

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/mL solution in water for injection.

Reconstitution:

Add water for injection to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

Quality Control:

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

All donors of urine samples used for protein preparation were tested and found negative for HBsAg, anti-HCV, HIV Ag/Ab, and syphilis. Since no test can absolutely assure the absence of all infectious agents, this product should be handled as a potential biohazard. This product is intended for research use only.