

Uromodulin Canine

Item Number	rAP-2107
Synonyms	Tamm-Horsfall urinary glycoprotein, THP, FJHN, HNFJ, THGP, MCKD2, ADMCKD2, UMOD, Uromodulin.
Description	UMOD is an 85-kDa glycoprotein which is produced in the thick ascending limb of Henle's loop and early distal convoluted tubules of the nephron.
Uniprot Accession Number	Q862Z3
Amino Acid Sequence	RSCSECHSNA TCMEDGMVTT CSCLVGFTGS GFECVDLDEC AIPGAHNCSE GSSCMNTLGS YLCTCPDGFR LTPGLGIDV DECSEPGLSR CHALATCINN KGNYSVCVCPA GYRGDQHQCE CSPG- SCGPGL DCVPVGDALV CADPCQEHRI LDEYWRSTEY GAGYTCDVGL NGWYRFTGPG GVRLAETCVP VLHCNTAAPM WLNQTHPTRD QGIVNRTACA HWRGHCCLWD ASIQVKACAG GYYVYNLTET PEC- YLAYCTD PTSVLGTCEE CSVEEDCKSH DGMWSCQCKQ DFNVTDLFLL DRLECRPNDI KVSLSKCQLK SLGFVKVFMV LRDSQCSGFN ERGDRDWVSV VTPARDGPCG TVMVRNETHA TYSNTLYLAD
Source	Canine Urine.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Lyophilized UMOD although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution UMOD should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The UMOD protein was lyophilized from 0.4µm filtered solution at a concentration of 0.1mg/ml containing deionized water.
Application	
Solubility	Add deionized water to prepare a working stock solution of approximately 0.5mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**