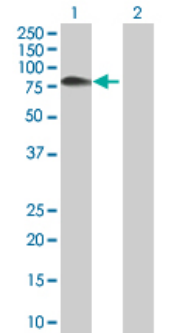
UMOD 293T Cell Transient Overexpression Lysate(Denatured)

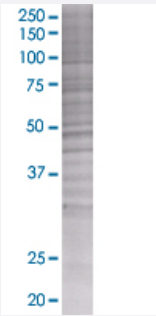
Catalog # H00007369-T01 Size 100 uL

Applications



Western Blot

Lane 1: UMOD transfected lysate (66.7 KDa)
Lane 2: Non-transfected lysate.



SDS-PAGE Gel

UMOD transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-UMOD full-length
Host	Human
Theoretical MW (kDa)	67.32
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-UMOD antibody (H00007369-B01) by Western Blots. Western Blot Lane 1: UMOD transfected lysate (66.7 KDa) Lane 2: Non-transfected lysate. SDS-PAGE Gel UMOD transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — UMOD

Entrez GeneID	7369
GeneBank Accession#	BC035975
Protein Accession#	AAH35975
Gene Name	UMOD
Gene Alias	ADMCKD2, FJHN, HNFJ, MCKD2, THGP, THP
Gene Description	uromodulin
Omim ID	162000 191845 603860 609886
Gene Ontology	Hyperlink
Gene Summary	This gene encodes uromodulin, the most abundant protein in normal urine. Its excretion in urine follows proteolytic cleavage of the ectodomain of its glycosyl phosphatidylinositol-anchored counterpart that is situated on the luminal cell surface of the loop of Henle. Uromodulin may act as a constitutive inhibitor of calcium crystallization in renal fluids. Excretion of uromodulin in urine may provide defense against urinary tract infections caused by uropathogenic bacteria. Defects in this gene are associated with the autosomal dominant renal disorders medullary cystic kidney disease-2 (MCKD2) and familial juvenile hyperuricemic nephropathy (FJHN). These disorders are characterized by juvenile onset of hyperuricemia, gout, and progressive renal failure. While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode the same isoform. [provided by RefSeq
Other Designations	OTTHUMP00000162212|Tamm-Horsfall glycoprotein|uromodulin (uromucoid, Tamm-Horsfall glycoprotein)|uromucoid

Disease

- Chronic Disease
- Genetic Predisposition to Disease
- Gout
- Hypertension
- Kidney Calculi
- Kidney Diseases
- Kidney Failure
- Renal Insufficiency
- Urologic Diseases