Recombinant Mouse Umod Protein, Myc/DDK-tagged

Cat. No. Umod-6833M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length uromodulin (Umod), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a glycoprotein that is the most abundant protein in mammalian urine under physiological conditions. It is synthesized in the kidney as a glycosyl-phosphatidylinositol anchored protein and released into urine as a soluble form by proteolytic cleavage. It is thought to regulate water and salt balance in the thick ascending limb of Henle and to protect against urinary tract infection and calcium oxalate crystal formation. In mouse deficiency of this gene is associated with increased susceptibility to bacterial infections and formation of calcium crystals in kidneys. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
Molecular Mass	70.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Umod uromodulin [Mus musculus (house mouse)]
Official Symbol	Umod
Synonyms	UMOD; uromodulin; THP; Tamm-Horsfall protein; Tamm-Horsfall glycoprotein; tamm-Horsfall urinary glycoprotein; urehr4; uromucoid; MGC14034
Gene ID	22242
mRNA Refseq	NM_009470
Protein Refseq	NP_033496
UniProt ID	Q91X17

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