

Recombinant Mouse Umod Protein, His/GST-tagged

Cat. No. Umod-601M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Umod(Glu335~Ser590) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu335~Ser590
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	58.72kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 92%

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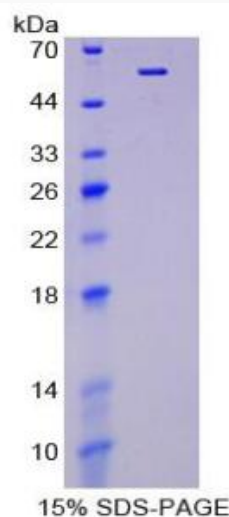
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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Umod uromodulin [<i>Mus musculus</i>]
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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