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Product datasheet for SC203509

Uromucoid (UMOD) (NM_003361) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Uromucoid (UMOD) (NM_003361) Human 3' UTR Clone
Symbol:	Uromucoid
Synonyms:	ADMCKD2; ADTKD1; FJHN; HNFJ; HNFJ1; MCKD2; THGP; THP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003361
Insert Size:	293 bp
Insert Sequence:	>SC203509 3'UTR clone of NM_003361 The sequence shown below is from the reference sequence of NM_003361. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCGGCCACCTTGACCCTGACTTTTCAGTGACTGACAGCGGAAAGCCCTGTGCTCCATGGCTGCCATCTC ACCTCCTGCTGGGCAGGGGGCATGATGCGGGCCAGTGCTCCAGCCACAGAAAAGAAAGTTCATGCTTTG TTCAGCCTGCCTTCTTTTCTCCCTTTTAATCCTGGCTGTCGAGAAACAGCCTGTGTCTTTAAATGCTGC TTTTTCTCAAAATGGGACTTGTGACGGTGTACCTGAGGCCCCCATCTCCTTAAAGAGTGTGGCAAAATA ATGATTTTTAAATCTCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_003361.4

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Summary: The protein encoded by this gene is the most abundant protein in mammalian urine under physiological conditions. 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. This protein may act as a constitutive inhibitor of calcium crystallization in renal fluids. Excretion of this protein in urine may provide defense against urinary tract infections caused by uropathogenic bacteria. Defects in this gene are associated with the renal disorders medullary cystic kidney disease-2 (MCKD2), glomerulocystic kidney disease with hyperuricemia and isosthenuria (GCKDHI), and familial juvenile hyperuricemic nephropathy (FJHN). Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Locus ID: 7369

MW: 10.7