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Product datasheet for MC200811

Umod (NM_009470) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Umod (NM_009470) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Umod
Synonyms:	THP; ureh; Urehd; Urehd1; urehr4; uromu
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC012973 sequence for NM_009470
CCACGCGTCCGCCAGGACAGAGGGCAGAGTGTAAAGGATGGGGATCCCTTTGACCTGGATGCTGCTGGTA
ATGATGGTAACCTCCTGGTTCACTCTGGCTGAAGCCAGTAACTCAACAGAAGCGAGACGGTGTTCTGAAT
GCCACAACAACGCCACCTGCACGGTGGATGGTGTGGTCACAACGTGCTCCTGCCAGACCGGCTTCACTGG
TGATGGGCTGGTGTGTGAGGACATGGATGAGTGTGCTACCCCATGGACTCACAACTGCTCCAACAGCAGC
TGTGTGAACACCCCGGGCTCGTTTAAGTGCTCCTGTCAGGATGGTTTTCGTCTGACGCCTGAGCTGAGCT
GCACTGATGTGGATGAGTGCTCAGAGCAGGGGCTCAGTAACTGTCATGCCCTGGCCACCTGTGTCAACAC
AGAAGGCGACTACTTGTGCGTGTGTCCCGAGGGCTTTACAGGGGATGGTTGGTACTGTGAGTGCTCCCCA
GGCTCCTGTGAGCCAGGACTGGACTGCTTGCCCCAGGGCCCGGATGGAAAGCTGGTGTGTCAAGACCCCT
GCAATACATATGAGACCCTGACTGAGTACTGGCGCAGCACAGAGTATGGTGTGGGCTACTCCTGTGACGC
GGGTCTGCACGGCTGGTACCGGTTCACAGGCCAGGGTGGCGTTCGCATGGCTGAGACCTGTGTGCCCGTC
CTGCGATGCAACACGGCGGCACCCATGTGGCTCAATGGCTCTCATCCCTCGAGTAGTGAAGGCATTGTGA
GCCGCACGGCCTGTGCACACTGGAGCGACCAATGCTGCCGGTGGTCCACAGAGATCCAGGTGAAGGCTTG
CCCAGGTGGCTTCTATATTTACAACTTGACAGCGCCCCCTGAGTGCAATCTGGCTTACTGCACCGATCCT
AGTTCCGTGGAGGGGACTTGCGAAGAATGCAGGGTAGATGAAGATTGCATATCGGATAACGGCAGATGGC
GCTGCCAGTGTAAACAGGACTCCAACATCACAGATGTCTCCCAATTGGAGTACAGGCTGGAGTGTGGGGC
CAATGACATCAAGATGTCCCTCAGAAAGTGCCAGCTACAGAGTTTGGGCTTTATGAATGTCTTCATGTAC
CTGAATGACAGACAATGCTCAGGCTTCAGTGAGAGTGATGAACGAGACTGGATGTCCATAGTGACCCCTG
CCAGGAATGGTCCCTGTGGGACAGTATTGAGGAGAAACGAAACCCATGCCACCTACAGCAACACCCTCTA
CCTGGCAAATGCGATCATCATTCGGGACATCATCATAAGAATGAACTTTGAATGCTCTTACCCTCTGGAC
ATGAAAGTCAGCCTGAAGACCTCCCTACAGCCCATGGTCAGTGCCCTGAACATCAGCTTGGGTGGGACAG
GCAAGTTCACCGTGCGGATGGCATTGTTCCAGAGCCCTACCTACACACAGCCCCACCAAGGTCCTTCTGT
GATGCTGTCCACTGAGGCTTTTCTGTATGTGGGCACCATGCTGGATGGGGGTGACTTGTCCCGGTTTGTA
CTGCTAATGACCAACTGCTATGCCACACCCAGTAGCAACTCCACAGACCCTGTGAAATACTTCATTATCC
AGGACAGTTGTCCACGTACAGAAGATACAACCATTCAGGTGACAGAGAATGGCGAGTCATCTCAGGCCCG
ATTTTCTGTTCAGATGTTCCGGTTTGCAGGAAACTACGACCTTGTCTACCTTCACTGCGAGGTGTACCTA
TGTGACTCTACGAGTGAACAGTGTAAACCTACCTGCTCTGGTACTAGATTTCGAAGTGGGAACTTCATAG
ATCAGACCCGTGTCCTGAACTTGGGTCCCATAACACGACAAGGTGTCCAGGCCTCAGTGTCCAAGGCTGC
TTCCAGCAACTTGAGGCTCCTGAGCATCTGGCTGCTGTTGTTTCCCTCAGCCACTTTGATCTTCATGGTT
CAATGATGGAAAGCAGAAAACCTGGTGTGGCTCCCAGCTCACTTCCTGCTGGCCAGGAGTGGGGATGCAG
GCTGGTTATCAGCCAGGAGAGAGGGAGCTCACACTGCCTCCAGCTTGCACGTACTCTTTCTTTAATCCTC
ACCATCAAAAACAAGTTGGCATCTTTCAGTGCTGTTCTTCCTTCAAATGTGATATGTATGAAGCCCCTGT
CTCCTGAAGGAATGTGGCAAAATAATAAGTTTAAAGTATCAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009470

Insert Size: 1929 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC012973, AAH12973
RefSeq Size:	2229 bp
RefSeq ORF:	1929 bp
Locus ID:	22242
UniProt ID:	Q91X17
Cytogenetics:	7 63.88 cM
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.