

Product datasheet for **RN209888**

Umod (NM_017082) Rat Untagged Clone

Product data:

| | |
|---------------------------|-------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Umod (NM_017082) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Umod |
| Synonyms: | THP |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN209888 representing NM_017082
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGCAGCTGCTCTTTGACCTGGCTGCTGCTGGTTATGGTGGTAACTCCCTGGTTCAGTGTAGCTG
 GAGCCAATGACTCACCAGAAGCAAGAAGGTGTTCTGAATGCCACGACAATGCCACCTGTGTGGATGG
 GGTGGTACCACATGCTCCTGCCAGGCAGGCTTACTGGAGATGGGCTGGTGTGTGAGGACATAGATGAG
 TGTGCCACCCCGTGGACTCACAACGCTCCAACAGCATCTGCATGAACACACTGGGCTCCTACGAGTGT
 CCTGTCAGGATGGCTTTCGTCTGACGCCTGGGCTGGGCTGCATTGATGTGAATGAGTGCACAGAGCAGGG
 GCTCAGTAACTGTCATTCCCTGGCTACCTGTGTCAACACGGAAGGCAGCTACTCATGCGTGTGCCAAG
 GGCTATAGAGGGGATGGTTGGTACTGTGAGTGTCCCCTGGCTTCTGTGAGCCAGGGCTGGACTGCTTGC
 CTCAGGGTCCCAGTGGAAAGCTGGTGTGCCAAGACCCCTGCAATGTCTATGAAACCTGACTGAGTACTG
 GCGCAGCACAGACTATGGTGCCGGCTACTCCTGTGACTCAGATATGCACGGCTGGTACCGTTCCACAGGC
 CAGGGTGGCGTTCGCATGGCTGAGACCTGTGTGCCCGTACTGAGGTGCAACACGGCTGCACCCATGTGGC
 TCAATGGCTCGCATCCTTCGAGCAGAGAGGGCATTGTGAGCCGCACAGCCTGCGCACACTGGAGCGACCA
 CTGCTGCCTGTGGTCCACAGAGATCCAGGTGAAGGCTGCCCTGGTGGCTTCTATGTTTACAACCTTGACA
 GAGCCCCCTGAGTGCAATCTGGCTTACTGCACCGATCCTAGCTCCGTGGAGGGGACTTGCGAAGAATGCG
 GGGTAGATGAAGACTGCGTATCTGATAACGGCAGATGGCGCTGCCAGTGTAAACAGGACTTCAACGTTAC
 AGATGTCTCCCTCCTGGAGCACAGGCTGGAGTGTGAGGCCAATGAAATCAAGATATCCCTCAGCAAGTGC
 CAGCTACAGAGTTTGGGCTTTATGAAGTCTTCATGTACCTGAATGACAGACAGTGTCCAGGCTTCAGTG
 AGAGGGGTGAACGAGACTGGATGTCCATAGTGACTCCTGCCAGGGATGGTCCCTGTGGGACAGTATTGAG
 GAGAAATGAAACCCACGCCACCTACAGCAACACCCCTCTACTGGCAAGTGAGATCATCATCAGGGATATC
 AACATCAGAATCAACTTTGAATGCTCTTACCCTCTGGACATGAAAGTCAGTCTGAAGACCTCCCTACAGC
 CTATGGTTAGTGCCTTGAACATCAGCTTGGGTGGGACAGGCAAGTTCAGTGTGCAGATGGCACTGTTCCA
 GAACCCTACCTACACACAGCCCTACCAAGTCTTCTGTGATGCTCTCCACTGAGGCTTTTCTGTATGTG
 GGCACCATGCTGGATGGGGTGACTTGTCCCGTTTGTACTGCTAATGACCAACTGCTATGCCACACCCA
 GTAGCAACTCCACGACCCTGAAAATACTTCATTATCCAGGACAGATGTCCACATACAGAAGATAACAAC
 CATTCAAGTGACAGAGAATGGCGAGTCTCTCAGGCCCGTTCTCTATTAGATGTTCCGGTTTGCAGGA
 AACTCCGACCTTGTCTACCTTCACTGCGAGGTGTACCTGTGTGACTATGAGTGAAGCAGTAAACCTA
 CCTGTTCTGGTACTAGATATCGAAGTGGAACTTCATAGATCAGACCCGTGCTCCTGAACTTGGGTCCCAT
 CACACGACAAGGTGTCCAGGCCTCAGTGTCCAAGGCTGCTTCCAGCAACTGGGGTTCCTGAGCATCTGG
 CTGCTGCTGTTTCTCTCAGCTACTTTGACCCTGATGGTT**CATTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017082
- Insert Size:** 1935 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: [NM_017082.1](#), [NP_058778.1](#)

RefSeq Size: 2227 bp

RefSeq ORF: 1935 bp

Locus ID: 25128

UniProt ID: [P27590](#)

Cytogenetics: 1q35

Gene Summary: mutation of the human homolog is associated with medullary cystic kidney disease 2 and familial juvenile hyperuricaemic nephropathy [RGD, Feb 2006]