

Product datasheet for **MC205297**

Uros (NM_009479) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uros (NM_009479) Mouse Untagged Clone
Tag: Tag Free
Symbol: Uros
Synonyms: AI415298; Ur; UROIIS; Uros3
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC068161
 GTTCCTTCCGCCGCGCCTGGACGCCCTGTGCGAGCACAGCCAGATGTGGGTCACTGGCCTCGGATCCT
 CGGGTCTGAGGAACAGTCTGAGATCTAAGTAAGATCCATTTCTCGCTCTGCCGAGCAGCGTCTTTTAG
 AAGGACTGCCAGGCACAATGAAGTTCTTACTAAAAGACGCCAAGGAGGATGACAGCGCCTGGATCC
 ATATATCCAGGAGCTGCGATTGTGTGGCTAGAAGCCACACTGATTCCTGTGCTGCATTTGAGTTTATG
 TCTCTCCCGATTTGTCAGAAAAGCTGTCTCATCCTGAAGGCTTTGGAGGACTCATTTTACCAGCCCCA
 GGGCAGTGAAGCAGTGAAGCTGTGTTGGAGAAGGACAATAAACTGAAGCCTGGGAGAAGTCTCTGAA
 AGACAGATGGAATGCCAAGTCTGTGTACGTGGTTGGAAGTGCCACCGCTTCTCTAGTGAATAAAATTGGT
 CTGGATGCAGAAGGAGCGGGCAGTGGAAATGCAGAAAAGCTTGTGAATATTTGCTCAAAGCCATCTT
 CAGAGCTGCCTCTTCTTTCCGTGTGGAATATCAAAGGAGATACTCTCCAAAAATGCTCAAGGACAA
 AGGGATCCCATGAAAAGCATGCATGTCTATCAGACAGTTCACACCCTGGGATCCAAGGGAGCCTGAAG
 AGCTACTATGAAGATCAGGGTATCCCAGCCAGCATCACGTTTTTCAGTCCCTCCGGCCTTAAATACAGCC
 TCGAGTATATTCAGGCGTTATCTGGCAGCAGCTTTGACCAGATTAAGTTTATAGCCATTGGCCCCAGTAC
 AACCCGTGCTATGGCTGCTAAGGGCCTGCCTGTGAGCTGCACTGCAGAGAGCCCCACACCACAAGCCCTG
 GCTGCAGGCATCAGGAATGTGCTGAAGCCAAACCACTGTTGTGAGGGCTGTGCAGAGCCAGCTCCTTCC
 CTGTGCACGGGACAGCTCACTGCCTCTAGGATGGAACGCAGATTCGGAGAGATCTGGAGAAGCTGCCTGT
 GAGCATGCACCGTCTCCATGGAGTCCAGCTTGGAGCCTACGCCAGGTTCACTGGCCATTAGGTCACTG
 CCATTCGACACAGGGGAGAGAAAAGCTTCTGGGTCTAGAAAAGAAGGAACTGAAATCGACCATGTGGTGA
 CTTGTGCCACTCTTTTACAACTGTATTTCTTTTATGTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAA

Restriction Sites: AscI-NotI
ACCN: NM_009479
Insert Size: 798 bp



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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:	<ol style="list-style-type: none">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:	<u>BC068161</u> , <u>AAH68161</u>
RefSeq Size:	1271 bp
RefSeq ORF:	798 bp
Locus ID:	22276
UniProt ID:	<u>P51163</u>
Cytogenetics:	7 77.26 cM
Gene Summary:	<p>The protein encoded by this gene is the fourth enzyme in the heme biosynthesis pathway. It converts hydroxymethylbilane to uroporphyrinogen III, a cyclic tetrapyrrole. This enzyme is defective in the autosomal recessive disorder congenital erythropoietic porphyria. Alternate promoter usage controls cell type-specific expression, including erythroid cell-specific expression. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 4, and 5 all encode the same isoform (1).</p>