

Product datasheet for **SC319474**

UROD (NM_000374) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: UROD (NM_000374) Human Untagged Clone
Tag: Tag Free
Symbol: UROD
Synonyms: PCT; UPD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000374.3
TTGAGCTCGCAGTTACAGACAGCTGACCATGGAAGCGAATGGGTTGGACCTCAGGGTTT
TCCGGAGCTGAAGAATGACACATTCTCGGAGCAGCCTGGGGAGAGGAAACAGACTACAC
TCCCGTTTGGTGCATGCGCCAGGCAGGCCGTTACTTACCAGAGTTTAGGGAAACCCGGGC
TGCCAGGACTTTTTTCAGCACGTGTCGCTCTCCTGAGGCCTGCTGTGAACTGACTCTGCA
GCCACTGCGTCGCTTCCCTCTGGATGCTGCCATCATTTTCTCCGACATCCTTGTTGTACC
CCAGGCACTGGGCATGGAGGTGACCATGGTACCTGGCAAAGGACCCAGCTTCCCAGAGCC
ATTAAGAGAAGAGCAGGACCTAGAACGCCTACGGGATCCAGAAGTGGTAGCCTCTGAGCT
AGGCTATGTGTTCCAAGCCATCACCTTACCCGACAACGACTGGCTGGACGTGTGCCGCT
GATTGGCTTTGCTGGTGCCTTGGACCCTGATGACATACATGGTTGAGGGTGGTGGCTC
AAGCACCATGGCTCAGGCCAAGCGCTGGCTCTATCAGAGACCTCAGGCTAGTCACCAGCT
GCTTCGCATCCTCACTGATGCTCTGGTCCCATATCTGGTAGGACAAGTGGTGGCTGGTGC
CCAGGCATTGCAGCTGTTTGTAGTCCCATGCAGGGCATCTTGGCCACAGCTCTTCAACAA
GTTTGCCTGCCTTACATCCGTGATGTGGCCAAGCAAGTGAAGGCCAGGTTGCGGGAGGC
AGGCTGGCACCAGTGCCCATGATCATCTTTGCTAAGGATGGGCATTTTGCCTGGAGGA
GCTGGCCCAAGCTGGCTATGAGGTGGTTGGGCTTACTGGACAGTGGCCCAAAGAAAGC
CCGGGAGTGTGTGGGAAGACGGTGACATTGCAGGTCAACCTGGACCCCTGTGCCTTGTA
TGCATCTGAGGAGGAGATCGGGCAGTTGGTGAAGCAGATGCTGGATGACTTTGGACCACA
TCGCTACATTGCCAACCTGGGCCATGGGCTTTATCCTGACATGGACCCAGAACATGTGGG
CGCCTTTGTGGATGCTGTGCATAAAACACTCACGTCTGCTTCGACAGAAGTGAAGTATAC
CTTTACCTCAAGTACCCTAACACAGATGATTGATCGTTTTCCAGGACAATAAAAGTTTC
GGAGTTGAAA
AAA

Restriction Sites: Please inquire
ACCN: NM_000374



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_000374.3 , NP_000365.3
RefSeq Size:	1383 bp
RefSeq ORF:	1104 bp
Locus ID:	7389
UniProt ID:	P06132
Cytogenetics:	1p34.1
Domains:	URO-D
Protein Families:	Druggable Genome
Protein Pathways:	Porphyrin and chlorophyll metabolism
Gene Summary:	<p>This gene encodes an enzyme in the heme biosynthetic pathway. This enzyme is responsible for catalyzing the conversion of uroporphyrinogen to coproporphyrinogen through the removal of four carboxymethyl side chains. Mutations and deficiency in this enzyme are known to cause familial porphyria cutanea tarda and hepatoerythropoetic porphyria. [provided by RefSeq, Aug 2010]</p> <p>Transcript Variant: This variant (1) represents the shortest transcript and encodes the functional protein.</p>