

Product datasheet for **SC327200**

UROC1 (NM_001165974) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UROC1 (NM_001165974) Human Untagged Clone
Tag:	Tag Free
Symbol:	UROC1
Synonyms:	HMFN0320; UROCD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001165974, the custom clone sequence may differ by one or more nucleotides

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ATGTCTAGCCTCCAGGCGCTGTGCTCTGGCCTGCCCTGCGGCCCTCCCAGAGAACCGG
GGACGCCAGGCTGGGGTGCCCCATGCCCTGTGAGGACCCAGCCTCAGCCCTGTGGAG
AAACAGCTGGCGCTGAGGAACGCCCTGCGCTACTCCCCCGGATGTCCAGGAGCTGCTG
GCCCCAGAGTTTGCCAGGAGCTGCAACTGTACGGACACATCTACATGTACCGGTTTTGC
CCCGCATTGAAATGAGGGCCTACCCGATTGAGCAGTACCCTGCCAGACGAAAGTGGCT
GCCGCCATCATGCACATGATTATGAACAACCTGGATCCTGCCGTGGCCAGTTTTCCAG
GAGCTGGTGACCTATGGAGGAAATGGGCAGGTGTTGAGCAACTGGGCTCAGTTCTGGCTG
ACCATGTTCTACTTGTGGAAGATGACAGAGGAGCAGACTTTGGTCATGTACAGTGGGCAC
CCACTTGGCCTCTTCCAGCAGCCGAGTGCCACGGCTCGTCATACCAATGGGATG
GTCATTCCCACTACTCTCCCGACGGAGTATGAGAAGCTTTTGCCTTGGGGTTACA
ATGTACGGCCAGATGACAGCAGGTAGCTACTGCTACATCGGTCCCAGGGAATCGTTCAT
GGCACTGTGCTCACCGTGTGAATGCTGCACGTGGTACCTGGGCATCGAGGACTTGGCT
GGGAAGGTCTTTGTACCTCTGGGCTCGGCGGAATGAGTGGGGCTCAGGCCAAGGCCGCA
GTCATCGTGGGGTGCATCGGTGTGATAGCAGAGGTGGATAAAGCAGCCCTTGAGAAACGC
CACAGGCAGGGCTGGCTGATGGAAGTACTGACAGCTTGACCGTGCATCCAGAGGCTC
AGGGTCTTCAGCTGGGATTGCAACAAGCCCTGGGCTGGGCCGGCCTCCCTGCTGCCCTG
GGACTGTGTGCTTTCTGCTTTGTCAACCTTGACCCCTGGGGGAGGGGAGGTGCCTG
GCTCCCTCGGGCTTCTCCAGGCCACTCTGGGGCACCTGTTCTGCTTTTGTGTCCTTCC
AGGGAAGCAAGGAAAAAAGGAGGTGCTCAGCCTTGGTACCATGGCAACGTGGTGGCT
CTTTGGGAGCCCTGGTCCAGCAATTGGACACGACGGGGAGTGTGGTGGACCTGGGG
TCAGATCAGACATCTGCCACAACCCGTTCAATGGCGGCTACTACCCTGTGCAGCTCAGC
TTCACGGAGGCCAGAGCCTCATGGCCTCCAACCCTGCTGTGTTCAAGGACCTGGTCCAG
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TGGGACTACGGCAATGCCTTCTTGGAGGCCAGAGAGCAGGAGCGGATGTGGAGAAG
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CTGGCGGTACAGACGAACTGGCCACATCTGTGCTGGAGGAAGCCATTGCTGATGGAGTG
AAGGTGTCTGTGAAGCTGCAGTACATGGACAACATCCGCTGGATCCGGGAGGCCGCCAGG
CACCGGCTGGTGGTGGGCTCCCAGGCAAGGATCCTGTACTCAGACCAGAAGGGCCCGTG
GCCATCGCTGTGGCCATTAACCAGGCCATCGCCTGCAGGAGGATCAAGGCCCGGTGGTC
CTGAGCCGAGATCACCATGACGTGAGCGGCACCGACAGCCCTTTAGGGAGACCTCCAAC
ATTTACGACGGCTCTGCCTTCTGTGCGAGACATGGCTGTGCAGAACTTCGTGGGAGATGCC
TGTGCGGAGCCACCTGGGTGCGCCTTCAACCGAGGGGGCGTGGGCTGGGGTGGAGTG
ATCAACGGGGGATTGCGCCTCGTGTGGACGGTACCCCGAGGGCCGAGGGGAGAGCCAGG
CTGATGCTCAGCTGGGATGTCTCAATGGTGTGGCCCGGCGTGTGGTCAAGGAACAG
AAGGCCTATGAGATCATCTGCCAGACATGCAGGAGAACAGCACCTTGGTGGTGCACCTG
CCTCACAAGGTGGAGGACGAGCGGGTGTCCAGCAGGCCCTGCAGCTC

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Restriction Sites: Please inquire

ACCN: NM_001165974

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:	<u>NM_001165974.1</u> , <u>NP_001159446.1</u>
RefSeq Size:	3460 bp
RefSeq ORF:	2211 bp
Locus ID:	131669
UniProt ID:	<u>Q96N76</u>
Cytogenetics:	3q21.3
Protein Pathways:	Histidine metabolism, Metabolic pathways
Gene Summary:	This gene encodes an enzyme involved in the second step of histidine catabolism, metabolizing urocanic acid to formiminoglutamic acid. Deficiency of this enzyme results in urocanic aciduria, and is an apparent cause of mental retardation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2021] Transcript Variant: This variant (2) has an alternate in-frame exon and uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a longer protein (isoform 2) compared to isoform 1.