

## Product datasheet for **RR207394**

### Urod (NM\_019209) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Urod (NM_019209) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Urod
Synonyms:	porphyrinogen carboxy-lyase
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207394 representing NM_019209 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCGAACGGCTTGGGACTCCAGAATTTCCGGAGCTGAAGAATGACACGTTCTTGAGAGCAGCCT  
GGGAGAGGAAACAGACTATACTCCTGTTTGGTGCATGAGACAAGCAGGCCGCTACTTACCAGAGTTT  
GGAAACCAGGGCTGCCAGGACTTCTTCAGCACCTGTCGATCTCCTGAGGCTTGTGTGAAGTACTGCTG  
CAGCCACTGCGAAGGTTTCTCTGGATGCTGCTATAATTTCTCTGACATCCTTGTGTACCCAGGCAC  
TGGCATGGAGGTGACCATGGTACCTGGCAAAGGACCCAGCTTCCAGAGCCATTAAGAGAAGAGCGGGA  
CTTAGAGCGTCTACGGGATCCAGCAGCAGTGGCTTCCAGAGTTAGGCTATGTGTTCCAAGCCATCACCCCT  
ACCCGACAACAGCTGGCTGGACGTGTGCCACTGATTGGCTTTGCTGGTGTCCGTGGACCCTGATGACGT  
ACATGGTTGAAGGCGGCAGTTCAAGTACCATGGCTCAGGCCAAGCGATGGCTCTATCAGAAGCCACTGGC  
CAGTCACAAGCTGCTTGGCATACTACTGATGCTCTGGTCCCATATCTAATAGGACAAGTAGCTGCTGGT  
GCTCAGGCATTGCAGCTCTTTGAGTCCCACGCAGGACATCTTGGCTCCGAGCTCTTCAGCAAGTTTGCAC  
TGCTTACATCCGTGATGTGCCAAGCGAGTGAAGGCTGGGTTGCAGAAGCGGGCTGGCACCAGTGCC  
CATGATCATCTTTGCCAAGGATGGACATTTTGGCCTGGAAGAGCTGGCCAGGCTGGCTATGAGGTAGTT  
GGACTTGACTGGACAGTGGCTCCAAGAAAGCCCGGGAACGTGTTGAAAAGACAGTGACTCTGCAGGGGA  
ACCTGGATCCCTGTGCCCTGTATGCATCTGAGGAAGAGATTGGTCGACTGGTGCAGCAGATGCTGAATGA  
CTTTGGGCCACAGCGCTACATTGCTAACCTAGGGCATGGGCTTTACCCTGACATGGACCCAGAACACGTA  
GGAGCCTTTGTGGATGCAGTACACAAACTCACGCTGCTTCGACAGAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR207394 representing NM\_019209  
Red=Cloning site Green=Tags(s)

MEANGLGLQNFPELKNDFLRAAWGEETDYPVWCMRQAGRYLPEFRETRAQAQDFSTCRSPEACCELTL  
 QPLRRFPLDAAIIFSDILVVPQALGMEVTMVPKGPSPPEPLREERDLERLRDPAAVASELG YVFQAITL  
 TRQQLAGRVPLIGFAGAPWTLMTYMVEGSSSTMAQAKRWLYQKPLASHKLLGILTDALVPYLIQOVAAG  
 AQALQLFESHAGHLGSELF SKFALPYIRDYAKRVKAGLQKAGLAPVPMIIFAKDGHFALEELAQAQGYEVV  
 GLDWTVPKARERVGKTVTLQGNLDPCALYASEEEIGRLVQQLNDFGPRQRYIANLGHGLYDMDPEHV  
 GAFVDAVHKHSRLLRQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

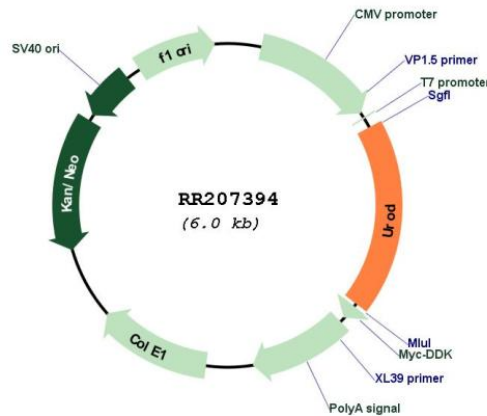
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_019209

<b>ORF Size:</b>	1101 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_019209.1</a> , <a href="#">NP_062082.1</a>
<b>RefSeq Size:</b>	1232 bp
<b>RefSeq ORF:</b>	1104 bp
<b>Locus ID:</b>	29421
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	40.6 kDa
<b>Gene Summary:</b>	enzyme involved in catalyzing the conversion of uroporphyrinogen to coproporphyrinogen [RGD, Feb 2006]