

Product datasheet for **MG218752**

Urod (NM_009478) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Urod (NM_009478) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Urod
Synonyms: AI323803; UPD; Uro; Uro-d
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218752 representing NM_009478
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCGAACGGGTTTCGGACTCCAGAATTTCCCGGAGCTGAAGAATGACACGTTCTGAGAGCAGCCT
 GGGGAGAGGAAACAGACTATACTCCCGTTTGGTGCATGAGACAGGCAGGCCGCTACTTACCAGAGTTTGA
 GGAAACCAGGGCTGCCAGGACTTCTTCAGCACCTGCCGATCTCCCGAGGCTTGCTGTGAAGTACTCTA
 CAGCCACTACGAAGGTTTCTCTGGATGCTGCCATAATTTCTCTGACATCCTTGTGTACCCAGGCAT
 TGGGCATGGAGGTGACCATGGTACCTGGCAAAGGACCCAGCTTCCAGAGCCATTAAGAGAAGAGCGGGA
 CTTAGAGCGTCTACGGGATCCAGCAGCAGCGGCTTCAGAGTTAGGCTATGTGTTCCAAGCCATCACCCCT
 ACTCGACAACGGCTGGCCGGACGTGTGCCACTAATTGGCTTTGCTGGTGCTCCGTGGACCCTAATGACAT
 ACATGGTTGAAGGCGGCAGTTCAAGCACCATGGCTCAGGCCAAACGATGGCTCTACCAAAGGCCACAGGC
 CAGTCACAAGCTGCTTGGCATACTACTGATGTTCTGGTCCCACCTAATAGGACAAGTGGCTGCTGGT
 GCTCAGGCATTGCAGCTCTTTGAGTCCCACGCAGGACATCTTGGCACTGAGCTCTTCAGCAAGTTTGAC
 TGCCCTACATTCGTGATGTGGCCAAGCGAGTGAAGGCTGGGTTGCAGAAGGCAGGCTGGCACCAGTGCC
 CATGATCATCTTTGCTAAGGATGGACATTTTGCCTGGAAGAGCTGGCCAGGCTGGCTATGAGGTAGTT
 GGACTTGACTGGACAGTGGCTCCAAAGAAAGCCCGGGAACGTGTCCGGAAGGCAGTGACCCCTGCAGGGGA
 ACCTGGATCCCTGTGCCTTGATGCATCTGAGGAAGAGATCGGTGGCTGGTGCAGCAAATGCTGGATGA
 CTTTGGGCTCAACGCTACATTGCCAACCTAGGGCATGGGCTTTACCCTGACATGGACCCAGAACGTGTA
 GGAGCCTTTGGATGCTGTACACAAACATTCACGCTGCTTCGACAGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218752 representing NM_009478
 Red=Cloning site Green=Tags(s)

MEANGFGLQNFPELKNDFLRAAWGEETDYTPVWCMRQAGRYLPEFRETRAQAQDFSTCRSPEACCELTL
 QPLRRFPLDAAIIFSDILVVPQALGMEVTMVPKGPSPPEPLREERDLERLRDPAASSELGYVFQAITL
 TRQRLAGRVPILIGFAGAPWTLMTYMVEGSSSTMAQAKRWLYQRPQASHKLLGILTDVLVPLYIGQVAAG
 AQALQLFESHAGHLGTELF SKFALPYIRDVAKRVKAGLQKAGLAPVPMIIFAKDGHFALEELAQAQGYEVV
 GLDWTVAPKKARERVGKAVTLQGNLDPCALYASEEEIGRLVQQLDDFGPQRYIANLGHGLYPDMDPERV
 GAFVDAVHKHSRLLRQN

TRTRPLE - GFP Tag - V

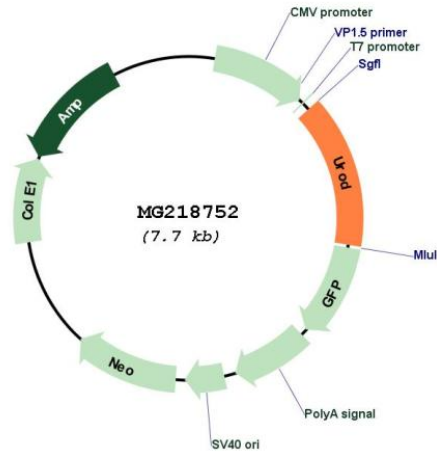
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_009478

ORF Size:	1101 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_009478.2
RefSeq Size:	1199 bp
RefSeq ORF:	1104 bp
Locus ID:	22275
UniProt ID:	P70697
Cytogenetics:	4 53.41 cM
Gene Summary:	This gene encodes an enzyme that catalyzes the conversion of uroporphyrinogen-III to coproporphyrinogen-III, an intermediate step in heme biosynthesis. Homozygous knockout mice for this gene exhibit embryonic lethality. [provided by RefSeq, Aug 2015]