

Product datasheet for **MG204250**

Uox (NM_009474) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uox (NM_009474) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uox
Synonyms:	A1663847
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204250 representing NM_009474 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCATTACCATGACAACACTCGGAAAGAATGATGAAGTGGAAATTTGTCCGAACCTGGCTATGGGAAAG
ACATGGTCAAAGTTCTCCATATTCAGAGAGATGGAAAATACCACAGCATCAAAGAGGTGGCAACTTCGGT
CCAGTTGACTCTGAGGTCCAAGAAGGATTACCTACACGGTGATAATTCGACATCATCCCTACAGACACC
ATCAAGAACACTGTGCAGTCTCGGCAAGCTCAGAGGGATCAGAAACATCGAGACCTTTGCAATGAACA
TCTGTGAGCACTTCTCTCTTTTAACCATGTCACCTCGAGCCACGTCTACGTGGAAGAGGTCCCTG
GAAACGATTTGAAAAGAATGGGATCAAACACGTCCATGCATTCACACACCCCGACGGGAACGCACTTC
TGTGAGGTGGAGCAGATGAGAAACGGACCTCCCGTCATTCACCTCTGGAATCAAAGACCTCAAGGTCTTGA
AAACAACCCAGTCTGGGTTTGAAGGGTTCCTCAAGGACCAGTTCACCTACCTCCCTGAGGTGAAGGACCG
ATGCTTTGCCACTCAAGTGTACTGCAAGTGGCGCTACCAGAGACGGGACGTGGACTTCGAGGCTATCTGG
GGCGCTGTCCGGGACATTGTCTGCAGAAATTTGCTGGGCCCTATGACAAAGGTGAATACTACCTTCCG
TGCAGAAGACCCTCTATGATATACAAGTGTCTGCTGAGCCAGCTTCTGAGATAGAAGACATGGAAAT
CAGCCTTCGAAACATTCACTACTTTAACATCGACATGTCCAAAATGGGACTGATCAACAAGGAAGAGGTT
TTGCTGCCTCTCGACAATCCCTACGGCAAATAACAGGGACAGTCAAGAGGAAGTGCCTTCCAGGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204250 representing NM_009474
 Red=Cloning site Green=Tags(s)

MAHYHDNYGKNDEVEFVRTGYGKDMVKVLHIQRDGYHSIKEVATSVQLTLRSKKDYLHGDNSDIPTDT
 IKNTVHVLAKLRGIRNIETFAMNICEHFLSSFNVHTRAHVYVEEVPWKRFEKNGIKHVHAFIHTPTGTHF
 CEVEQMRNGPPVIHSGIKDLKVLKTTQSGFEGFLKQDFTLPEVKDRCFATQVYCKWRYQRRDVFDAIW
 GAVRDIVLQKFAGPYDKGEYSPSVQKTLVDIQVLSLSQLPEIEDMEISLPNIHYFNIDMSKMGLINKEEV
 LLPLDNPYGKITGTVKRKLPSRL

TRTRPLE - GFP Tag - V

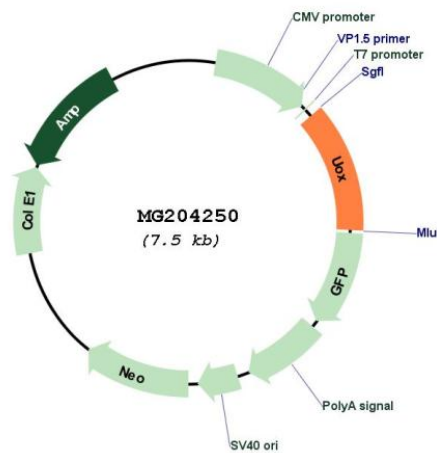
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_009474

ORF Size: 909 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_009474.5
RefSeq Size:	1844 bp
RefSeq ORF:	912 bp
Locus ID:	22262
UniProt ID:	P25688
Cytogenetics:	3 72.09 cM
Gene Summary:	Catalyzes the oxidation of uric acid to 5-hydroxyisourate, which is further processed to form (S)-allantoin.[UniProtKB/Swiss-Prot Function]