

Product datasheet for RR211588

Uox (NM_053768) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uox (NM_053768) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Uox
Synonyms: UOX-2; Uri; Uri2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211588 representing NM_053768
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCATTACCATGACGACTATGGAAGAATGATGAAGTGGAGTTTGTCCGAAGTGGCTATGGGAAGG
ACATGGTCAAAGTTCTCCATATTCAGAGGGATGAAAAATACCACAGCATCAAAGAGGTGGCGACTTCGGT
GCAGTTGACTCTGAGGTCAAAAAGGATTACCTCCATGGTGATAATTCGACATCATCCCCACAGACACC
ATCAAGAACACAGTGCATGTCTGGCGAAGTTCAAAGGGATCAAAGCATCGAGACCTTCGCTATGAACA
TCTGCGAGCACTTCTCTCTTCTTTAGCCATGTCACCCGAGCCCATGTCCACGTGGAAGAGGTCCCTG
GAAGCGTTTTGAAAAGAATGGAGTCAAACACGTCCATGCCTTCATCCACACCCCGACGGAACTCACTTC
TGTGACGTGGAGCAGGTGAGGAACGGACCTCCCATCATTCACTCTGGAATCAAAGACCTCAAGGTCTTGA
AAACAACCCAGTCTGGATTTGAAGGATTCATCAAGGACCACTCACTACTCTCCCGAGGTGAAGGACCG
ATGCTTTGCCACTCAAGTGTACTGCAAGTGGCGCTACCAGAATCGGGACGTGGATTTGAGGCTACCTGG
GGCGTGTCCGGGACATTGTCTGAAGAAATTTGCTGGGCCATGACAGAGGTGAATACTCACCTCCG
TGCAGAAGACCTCTATGACATACAAGTGTGACCTGAGCCAGCTTCTGAGATAGAAGACATGGAAAT
CAGCCTTCCAAACATTCACTACTTTAACATCGACATGTCCAAAATGGGGCTGATCAACAAGGAAGGTT
TTGCTGCCTCTGGACAACCCCTACGGCAAATAACCGGGACGGTGAGGAGGAAGTGCCTTCCAGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR211588 representing NM_053768
Red=Cloning site Green=Tags(s)

MAHYHDDYGKNDVEFVRTGYGKDMVKVLHIQRDGYHSIKEVATSVQLTLRSKKDYLHGDNSDIPTDT
 IKNTVHVLAKFKGIKSIETFAMNICEHFLSSFVSHVTRAHVHVEEVPWKRFEKNGVKVHFAFIHTPTGTHF
 CDVEQVRNGPPIIHSIGKDLKVLKTTQSGFEGFIKDQFTLPEVKDRCFATQVYCKWRYQNRDVF EATW
 GAVRDIVLKFKFAGPYDRGEYSPVQKTLVDIQVLTLSQLPEIEDMEISLPNIHYFNIDMSKMGLINKEEV
 LLPLDNPYGKITGTVRRKLPSRL

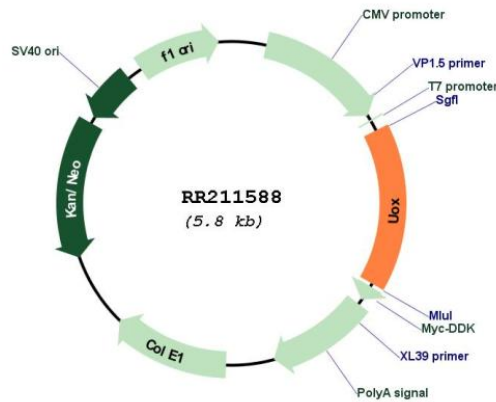
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053768

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_053768.2 , NP_446220.1
RefSeq Size:	1359 bp
RefSeq ORF:	912 bp
Locus ID:	114768
UniProt ID:	P09118
Cytogenetics:	2q44
MW:	34.9 kDa
Gene Summary:	catalyzes the hydrolysis of uric acid to allantoin in purine degradation [RGD, Feb 2006]