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Product datasheet for MR228371

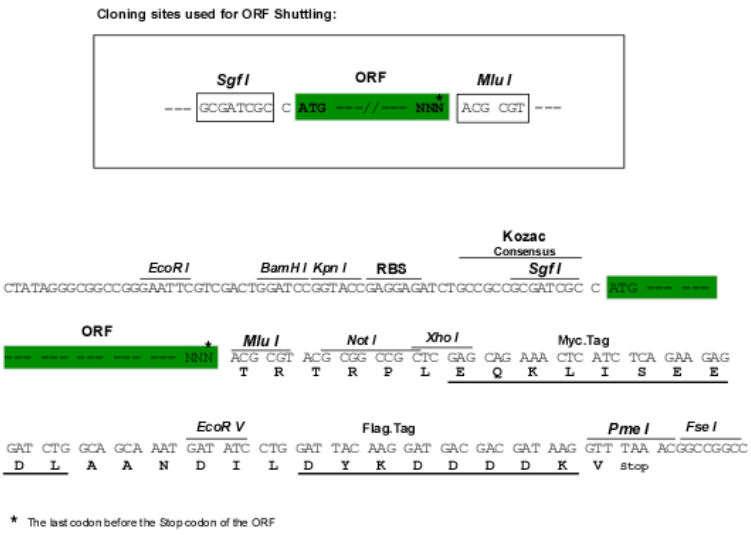
Uros (NM_001302086) Mouse Tagged ORF Clone

Product data:

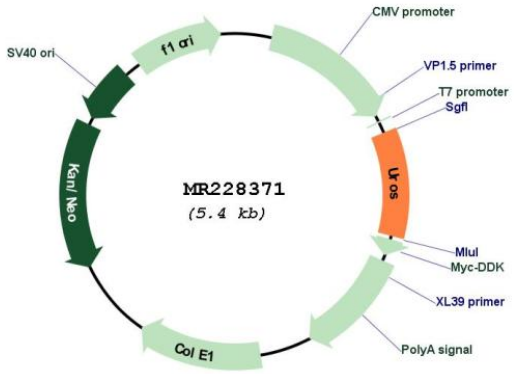
Product Type:	Expression Plasmids
Product Name:	Uros (NM_001302086) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uros
Synonyms:	AI415298; Ur; UROIIIS; Uros3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228371 representing NM_001302086 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAGGTTCTCTTACTAAAAGACGCCAAGGAGGATGACAGCGGCCTGGATCCATATATCCAGGAGCTGC GATTGTGTGGCCTAGAAGCCACACTGATTCCTGTGCTGTCATTTGAGTTTATGTCTCTCCCCAGTTTGTC AGAAAAGCTGTCTCATCCTGAAGGCTTTGGAGGACTCATTTTCACCAGCCCCAGGGCAGTGGAAGCAGTG AAGCTGTGTTTGGAGAAGGACAATAAAACTGAAGCCTGGGAGAAGTCTCTGAAAGACAGATGGAATGCCA AGTCTGTGTACGTGGTTGGAAGTGCCACCGCTTCTCTAGTGAATAAAATTGGTCTGGATGCAGAAGGAGC GGGCAGTGGAAATGCAGAAAAGCTTGCTGAATATATTTGCTCAAATGGCCTCCTGGGTGAACAGCGATCC CGCTCCCATGCTCCAGGTAGCCTTCAGTTGAGGCAGAAGTGCGCATCTCAGTTCTTACCTACATCCGGGG CTGCTGCTTTGTCTGTGGAGACTTCCTCAGGTCCCTCCTCTTCCAACTCCTGCACTCAGTCTTCCCTGGC AGTA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>MR228371 representing NM_001302086 Red=Cloning site Green=Tags(s) MKVLLLKDAKEDDSGLDPYIQELRLCGLEATLIPVLSFEFMSLPSLSEKLSHPEGFGGLIFTSPRAVEAV KLCLEKDNKTEAWEKSLKDRWNAKSVYVVGSATASLVNKIGLDAEGAGSGNAEKLAEYICSNGLLGEQRS RSHAPGSLQLRQKCASQFLPTSGAAALSVETSSGPSSSNSCTQSSLAV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

View online »

Cloning Scheme:



Plasmid Map:



ACCN: NM_001302086

ORF Size: 564 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:
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_001302086.1, NP_001289015.1

RefSeq Size: 1298 bp

RefSeq ORF: 567 bp

Locus ID: 22276

Cytogenetics: 7 77.26 cM

MW: 20.4 kDa

Gene Summary: The protein encoded by this gene is the fourth enzyme in the heme biosynthesis pathway. It converts hydroxymethylbilane to uroporphyrinogen III, a cyclic tetrapyrrole. This enzyme is defective in the autosomal recessive disorder congenital erythropoietic porphyria. Alternate promoter usage controls cell type-specific expression, including erythroid cell-specific expression. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]