

## Product datasheet for **MC220321**

### Por (NM\_008898) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Por (NM_008898) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Por
Synonyms:	4933424M13Rik; CPR; CYPOR; P450R
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220321 representing NM\_008898  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGGGACTCTCACGAAGACACCAGTGCCACAGTGCCTGAGGCAGTGGCTGAAGAAGTGTCTCTATTCA  
 GCACAACGGACATTGTTCTGTTTTCTCTCATCGTGGGGTCTGACCTACTGTTTCATCTTTAAAAAGAA  
 GAAAGAAGAGATACCGGAGTTCAGCAAGATCCAGACAACGGCCCCACCTGTCAAAGAGAGCAGCTTCGTG  
 GAAAAGATGAAGAAAACGGGAAGGAACATTATTGTATTCTATGGCTCCCAGACGGGAACCGGGAGGAGT  
 TTGCCAACCGGTGTCCAAGGATGCCACCCTATGGGATGCGGGGCATGTCTGCAGACCCTGAAGAGTA  
 TGACTTGGCCGACCTGAGCAGCTGCCTGAGATCGACAAGTCCCTGGTAGTCTTCTGCATGGCCACATAC  
 GGAGAAGGCGACCCACCGACAACGCGCAGGACTTCTATGATTGGCTGCAGGAGACTGACGTGGACCTCA  
 CGGGTGTCAAGTTTGTGTGTTGGTCTCGGGAACAAGACCTATGAGCACTTCAACGCCATGGGCAAGTA  
 TGTGGACCAGCGCTGGAGCAGCTTGGCGCCAGCGAATCTTTGAGTTGGGCCTTGGTATGACGACGGG  
 AACTTGAAGAGGATTTTCATCACATGGAGGGAGCAGTTCTGGCCAGCTGTGTGCGAGTTCTTCGGGGTGG  
 AAGCCACTGGGGAGGAGTCGAGCATCCGCCAGTACGAGCTCGTGGTCCACGAAGACATGGACACAGCCAA  
 GGTGTACACGGGTGAGATGGGCCGTCTGAAGAGCTACGAGAACCAGAAACCCCTTCGATGCCAAGAAT  
 CCATTCCTGGCTGCTGTACCACGAACCGGAAGCTGAACCAAGGCACTGAGAGGCATCTAATGCACCTGG  
 AATTGGACATCTCAGACTCCAAGATCAGGTATGAATCTGGAGATCACGTGGCTGTGTACCCAGCCAAACGA  
 CTCCACCCTGGTCAACCAGATTGGGGAGATCCTGGGGCTGACCTGGATGTCATCATGTCTCTAAACAAT  
 CTCGATGAGGAGTCAAGTAAGAAGCATCCGTCCCTGCCACCACTACCGCAGCGCCCTCACCTACT  
 ACCTGGACATCACTAACCAGCAGCAACCAACGTCCTACGAGCTGGCCAGTACGCTCAGAGCCCTC  
 GGAGCAGGAACACCTGCACAAGATGGCGTCTCCTCCGCGAGGGCAAGGAGCTGTACCTGAGCTGGGTG  
 GTGGAGGCCCGGAGGCACATCCTAGCCATTCTCCAAGACTACCCGTCCCTGCGGCCACCCATCGACCACC  
 TGTGCGAGCTCCTCCGAGGCTGCGAGGCCGCTACTATTCCATTGCCTCGTCTAAGGTCCACCCCAA  
 CTCCGTGCACATCTGCGCCGTGGCTGTGGAGTATGAAGCGAAGTCTGGACGAGTGAACAAGGGGTGGCC  
 ACCAGCTGGCTTCGACCAAGGAACCAGCAGGAGAGAATGGCCGCGGGCCCTGGTCCCATGTTCTGTC  
 GCAAGTCCAGTTCGGCTTGCCTTTCAAGCCACCACCTGTTATCATGGTGGGCCCGGCACTGGGGT  
 TGCCCTTTTCATGGGCTTCATCCAGGAGCGGGCTTGGCTTCGAGAGCAAGGCAAGGAGTCCGAGAGACG  
 CTGCTCTACTACGGCTGCCGGCTCGGATGAGGACTATCTGTACCGCGAGGAGCTGGCGCGCTTCCACA  
 AGGACGGCGCCCTCAGCAGCTTAATGTGGCCTTTCCCGTGAGCAGGCCACAAGGTCTATGTTACGCA  
 CCTGCTCAAGAGGGACAAGAGCACCTGTGGAAGCTGATCCACGAAGGTGGTGGCCACATCTATGTCTGC  
 GGGGATGCTCGAAATATGGCCAAAGATGTGCGAACACATTCTATGACATCGTGGCCGAGTTGGGCCCA  
 TGGAGCACACCCAGGCTGTGGACTATGTTAAGAAGCTCATGACCAAGGGCCGCTACTCGTGGATGTATG  
 GAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_008898  
 Insert Size: 2037 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_008898.2](#), [NP\\_032924.1](#)

**RefSeq Size:** 2527 bp

**RefSeq ORF:** 2037 bp

**Locus ID:** 18984

**UniProt ID:** [P37040](#)

**Cytogenetics:** 5 75.34 cM

**Gene Summary:** This enzyme is required for electron transfer from NADP to cytochrome P450 in microsomes. It can also provide electron transfer to heme oxygenase and cytochrome B5. [UniProtKB/Swiss-Prot Function]