

## Product datasheet for **MR209971**

### Por (NM\_008898) Mouse Tagged ORF Clone

#### Product data:

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



[View online »](#)

ORF Nucleotide  
Sequence:

>MR209971 representing NM\_008898  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGGGGACTCTCACGAAGACACCAGTGCCACAGTGCCTGAGGCAGTGGCTGAAGAAGTGTCTCTATTCA  
 GCACAACGGACATTGTTCTGTTTTCTCTCATCGTGGGGTCTGACCTACTGGTTTCATCTTTAAAAAGAA  
 GAAAGAAGAGATACCGGAGTTCAGCAAGATCCAGACAACGGCCCCACCTGTCAAAGAGAGCAGCTTCGTG  
 GAAAAGATGAAGAAAACGGGAAGGAACATTATTGTATTCTATGGCTCCCAGACGGGAACCGGGAGGAGT  
 TTGCCAACCGGTGTCCAAGGATGCCACCCTATGGGATGCGGGGCATGTCTGCAGACCCTGAAGAGTA  
 TGACTTGGCCGACCTGAGCAGCTGCCTGAGATCGACAAGTCCCTGGTAGTCTTTCGCATGGCCACATAC  
 GGAGAAGCGACCCACCACGACGCGCAGGACTTCTATGATTGGCTGCAGGAGACTGACGTGGACCTCA  
 CGGGTGTCAAGTTTGTGTGTTGGTCTCGGGAACAAGACCTATGAGCACTTCAACGCCATGGGCAAGTA  
 TGTGGACCAGCGCTGGAGCAGCTTGGCGCCAGCGAATCTTTGAGTTGGCCTTGGTGATGACGACGGG  
 AACTTGAAGAGGATTTTCATCACATGGAGGGAGCAGTTCTGGCCAGCTGTGTGCGAGTCTTCGGGGTGG  
 AAGCCACTGGGGAGGAGTCGAGCATCCGCCAGTACGAGCTCGTGGTCCACGAAGACATGGACACAGCCAA  
 GGTGTACACGGGTGAGATGGGCCGTCTGAAGAGCTACGAGAACCAGAAACCCCTTCGATGCCAAGAAT  
 CCATTCCTGGCTGCTGTACCACGAACCGGAAGCTGAACCAAGGCACTGAGAGGCATCTAATGCACCTGG  
 AATTGGACATCTCAGACTCCAAGATCAGGTATGAATCTGGAGATCACGTGGCTGTGTACCCAGCCAAACGA  
 CTCCACCCTGGTCAACCAGATTGGGGAGATCCTGGGGGCTGACCTGGATGTCATCATGTCTCTAAACAAT  
 CTCGATGAGGAGTCGAATAAGAAGCATCCGTCCCTGCCACCACCTACCGCACGGCCCTCACCTACT  
 GGAGCAGGAACACCTGCACAAGATGGCGTCCCTCCCGCGAGGGCAAGGAGCTGTACCTGAGCTGGGTG  
 GTGGAGGCCCGGAGGCACATCCTAGCCATTCTCCAAGACTACCCGTCCCTGCGGCCACCCATCGACCACC  
 TGTGCGAGCTCCTCCCGAGGCTGCAGGCCGCTACTATTCCATTGCCTCGTCTAAGGTCCACCCCAA  
 CTCCGTGCACATCTGCGCCGTGGCTGTGGAGTATGAAGCGAAGTCTGGACGAGTGAACAAGGGGGTGGCC  
 ACCAGCTGGCTTCGGACCAAGGAACCAGCAGGAGAGAATGGCCGCCGGGCCCTGGTCCCATGTTCTGTC  
 GCAAGTCCAGTTCGGCTTGCCTTTCAAGCCACCACCTGTTATCATGGTGGGCCCGGCACTGGGGT  
 TGCCCTTTTCATGGGCTTCATCCAGGAGCGGGCTTGGCTTCGAGAGCAAGGCAAGGAGTCCGAGAGACG  
 CTGCTCTACTACGGCTGCCGGCCTCGGATGAGGACTATCTGTACCGCGAGGAGCTGGCGCGCTTCCACA  
 AGGACGGCGCCCTCAGCAGCTTAATGTGGCCTTTCCCGTGAGCAGGCCACAAGGTCTATGTTACGCA  
 CCTGCTCAAGAGGGACAAGAGCACCTGTGGAAGCTGATCCACGAAGGTGGTGGCCACATCTATGTCTGC  
 GGGGATGCTCGAAATATGGCCAAAGATGTGCAGAACACATTCTATGACATCGTGGCCGAGTTTGGGCCCA  
 TGGAGCACACCCAGGCTGTGGACTATGTTAAGAAGCTCATGACCAAGGGCCGCTACTCGTGGATGTATG  
 GAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209971 representing NM\_008898  
 Red=Cloning site Green=Tags(s)

MGDSHEDTSATVPEAVAEVSLFSTTDIVLFLSLIVGVLTYWFIKFKKKEEIPFSKIQTTPPVKESSFV  
 EKMKKTGRNIIVFYGSQTGTAAEFANRLSKDAHRYGMRGMSADPEEYDLADLSSLPEIDKSLVVFCMATY  
 GEGDPTDNAQDFYDWLQETDVDLTGVKFAVFLGNKTYEHFNAMGKYVDQRLEQLGAQRIFELGLGDDDG  
 NLEEDFITWREQFWPAVCEFFGVEATGEESSIRQYELVVHEDMDTAKVYTGEMGRKLSYENQKPPFDAKN  
 PFLAAVTTNRKLNQGERHLMHLELDISDSKIRYESGDHVAVYPANDSTLVNQIGEILGADLDVIMSLNN  
 LDEESNKKHPFPCPTTYRTALTYLDTINPPRTNVLVELAQYASEPSEQEHLHKMASSSGEGKELYLSWV  
 VEARRHILAILQDYPRLPPIDHLCELLPRLQARYYSIASSSKVHPNSVHICAVAVEYEAKSGRVNKGVA  
 TSWLRKTEPAGENRRALVPMFVRKSQFRLPFKPTTPVIMVPGTGVAPFMGFIQERAWLREQGKEVGET  
 LLYYGCRRSDEDYLYREELARFHKDGALQNLNVAFSREQAHKVYVQHLLKRDKEHLWKLIEHGGAIHYVC  
 GDARNMAKDVQNTFYDIVAEFGPMEHTQAVDYVKKLMTKGRYSLDVWS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM\_008898

ORF Size: 2034 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](#)

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

**RefSeq Size:** 2457 bp

**RefSeq ORF:** 2037 bp

**Locus ID:** 18984

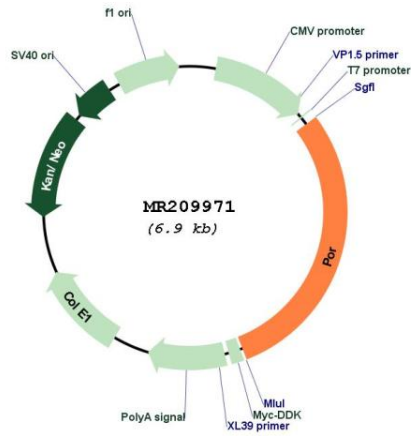
**UniProt ID:** [P37040](#)

**Cytogenetics:** 5 75.34 cM

**MW:** 77.5 kDa

**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]

Product images:



Circular map for MR209971