

## Product datasheet for RR212173

### Cyp2r1 (NM\_001108499) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cyp2r1 (NM\_001108499) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cyp2r1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212173 representing NM\_001108499  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGAAGATGACAAAAATGGGAGTGGGTGAACATCATTCATTGCTGGAAGTAACTACAACCAATGTGCTCC  
 GCTGGGCAGTTCTGTTTCATGGCCCTTTATCCTAATATTCAAGGACAAGTTCATAAAGAGATTGATTTAAT  
 TATGGGACACGACAGGAGGCCTTCTGGGAAGACAAATGCAAAATGCCTTATACTGAAGCAGTTTTGCAT  
 GAAGTTTTAAGATTCTGTAATATAGTTCCACTGGGGATTTCCATGCAACTTCTGAAGATGCAGTTGTAC  
 GTGGCTATTCCATTCTAAAGGCACAACAGTCATTACAAATCTTTATTCTGTTCACTTTGATGAAAAGTA  
 CTGAAAAGACCCAGACATGTTCTATCCTGAGCGATTTCTGGACAGCAGTGGATATTTACTAAAAAGGAA  
 GCTTTGATTCTTTTCTCTAGGGAGAAGACACTGTCTTGGAGAACAGCTGGCTCGGATGGAAATGTTCT  
 TGTTTTTACATCATTGCTTCAGCAATTCATTTGCATTTCCACACGAAGTTCCTCAAACTTGAACCC  
 CAGTTGGGCATGACATTACAACCCAGGCCTACCTCATCTGTGCAGAAAGACGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR212173 representing NM\_001108499  
Red=Cloning site Green=Tags(s)

MKMTKMGVGEIIAGTETTTNVLRWAVLFMALYPNIQQQVHKEIDLIMGHDRRPSWEDKCKMPYTEAVLH  
 EVLRFCNIVPLGIFHATSEDAVVRGYSIPKGTTVITNLYSVHFDEKYWKDPDMFYPERFLDSSGYFTKKE  
 ALIPFSLGRRHCLGEQLARMEMFLFFTSLLQQFHLHFPHELVPNLKPRLGMTLQPQAYLICAERR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

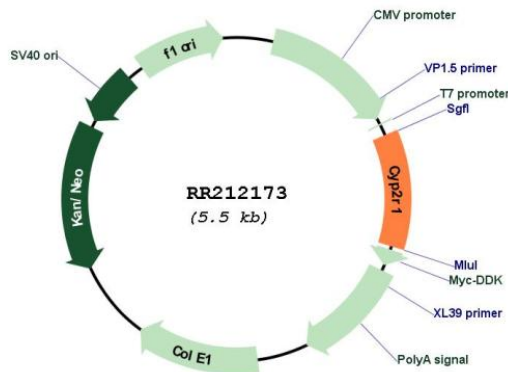


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001108499

ORF Size: 615 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001108499.1, NP_001101969.1</u>
<b>RefSeq Size:</b>	980 bp
<b>RefSeq ORF:</b>	618 bp
<b>Locus ID:</b>	361631
<b>Cytogenetics:</b>	1q34
<b>MW:</b>	23.8 kDa