

## Product datasheet for RN201730

### Qdpr (NM\_022390) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Qdpr (NM\_022390) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Qdpr  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN201730 representing NM\_022390  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGGCTTCGGGCGAGGCGCGCCGAGTGTGGTGTACGGCGGCAGGGGTGCTCTGGGCTCGCGCTGCC  
TACAGGCCTTCCGGGCCCGCAACTGGTGGTTGCCAGCATTGATGTGGTGGAGAATGAAGAGGCCAGTGC  
CAGCGTGATTGTTAAGATGACAGATTCATTCACGGAGCAGGTCGACCAGGTCAGTCTGAGGTCGGGAAG  
CTCCTAGGTGACCAGAAGGTGGATGCCATTCTCTGTGTGGCTGGAGGATGGCCCGGGGCAATGCCAAAT  
CCAAGTCACTCTTTAAAACTGTGACCTGATGTGGAAGCAGAGTATTTGGACATCCACCATCTCTAGCCA  
CTTGGCCACAAAGCACCTGAAGGAAGGAGGCTCTTGACCCTGGCCGGGCGCAAAGCTGCGTTGGATGGG  
ACTCCTGGGATGATTGGCTACGGCATGGCCAAGGGAGCCGTCCATCAGCTCTGCCAGAGCCTTGCAGGGA  
AGAACAGTGCCATGCCGTCTGGGCTGCCGCCATTGCTGTGCTTCCCGTCACCCTGGATACTCCGATGAA  
CAGGAAATCAATGCCCGAGGCAGACTTCAGCTCCTGGACACCCTTAGAGTTCTGGTGGAGACCTCCAT  
GACTGGATCACTGGGAACAAACGGCCAACTCAGGAAGCCTAATCCAGGTGTAACCACAGACGGGAAGA  
CAGAGCTTACTCCAGCCTATTTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_022390  
**Insert Size:** 726 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<a href="#">NM_022390.1</a> , <a href="#">NP_071785.1</a>
<b>RefSeq Size:</b>	1307 bp
<b>RefSeq ORF:</b>	726 bp
<b>Locus ID:</b>	64192
<b>UniProt ID:</b>	<a href="#">P11348</a>
<b>Cytogenetics:</b>	14q11
<b>Gene Summary:</b>	catalyzes the NADH-mediated reduction of dihydrobiopterin to tetrahydrobiopterin [RGD, Feb 2006]