

## Product datasheet for MC206479

### Pycr2 (BC006882) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pycr2 (BC006882) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pycr2
Synonyms:	1810018M05Rik; P5cr2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC006882

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CCCACGCTCCGCTCTGGGATACTTGGGCCTCTCTAGCAGTTTCATCTGGTGCATCCCGTTTAAAGCT
GTTCCGAGCAATTCGGGTCCATCTTTTTCCACGCGCGGACACTGACCCCGGATCCCCAGAGTCCCGGA
TCGGCGCTCGCCGGGATCCTGCGGCCATGAGCGTGGGTTTCATCGCGCAGGCCAGCTGGCTGTGCTCT
GGCGCGGGGCTTACGGCCGCGGGCTCCTGTGCGCTCACAAGATAATAGCCAGCTCCCGGATATGGAC
CTGCCACGGTGTCTGCGCTCAGGAGGATGGGTGTGAATCTGACCCGAAGCAATAAGGACTGTGCGGC
ACAGCGACGCTCTGTTCTGGCTGTGAAGCCCCACATCATCCCCTTCATCCTGGATGAGATTGGAGCCGA
CGTGCAGGAGAGGCACATCGTGGTCTCCTGTGCAGCCGGGTACCATCAGTTCTGTGGAGAAGAAGCTG
ATGGCTTTCAGCCGGCCCCAAAGTGATCCGCTGCATGACCAACACGCCGTGGTGGTCCGAGAGGGGG
CCACCGTGTATGCCACGGGCACCCATGCTCTGGTGAAGACGGCAAGCTTTGGAGCAGCTGATGAGCAG
TGTGGGCTTCTGCACAGAGGTGGAGGAAGACCTCATTGATGCTATCACCGGGCTCAGCGGCAGCGGCCT
GCCTATGCATTTCATGGCCCTGGACGCCCTGGCAGATGGTGGGGTGAAGATGGGCGTGCCTGGCGGCCTGG
CGGTGAGACTGGGAGCTCAGGCGTTGCTGGGAGCAGCTAAGATGCTGCTGGACTCAGAGGACCATCCAGG
CCAGCTCAAGGACAACGTCTGCTCCCCTGGGGGGCCACCATCCATGCCCTGCACCTCCTGGAGAGTGGG
GGCTTCCGCTCTCTGCTCATCAATGCGGTTGAGGCCTCCTGTATCCGAACCAGAGAACTGCAGTCCATGG
CTGACCAAGAAAAGGTGTCTCCTGCTGCCCTTAAGAAGACCTTCTGGACAGAGTGAAGCTGGAGTCAAC
CACGGTGTCCACGCTGGCCCCACCCAGCTCAGGGAACTCCTTACAAGAAACCCCGCCAGGGAAGCAAG
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GGGTGAAGCTGCTTACATCTGTTACCTGGTGCCACCGAGTCTTCTCCTGTCCCCTGGCAGAAGGTGCT
CTGAAGAGGCGGCTGATGCCAGAAGTCAGCATGCCTCTCTGAGAGAGGTGGAGGCCTTAGAGTTAGCATC
CCCCTCAGCGGAAGTCTGTGGAGAGCTTTAGTTAGATCCGAGGCTGCTTACAGATTGATCTCCAGGTGAGG
TGAGAGGAAACGGGAATCCTCTGAATTAACAAACACGCAAAGAAGCCTGTGCTTGGTGTTCAGGTGAA
GTGTGGGAGTCACTCTGTGACCTTTGCTTAACTCTTCTGGACAGGTGACCCATTAGAAGGTGATGTTCC
AGGGCTGCTTTAATAAAGATCTTATTTATTTTTGAAAAAAAAAAAAAAAAAG

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Restriction Sites: EcoRI-NotI



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<b>ACCN:</b>	BC006882
<b>Insert Size:</b>	963 bp
<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="#">BC006882</a> , <a href="#">AAH06882</a>
<b>RefSeq Size:</b>	1590 bp
<b>RefSeq ORF:</b>	963 bp
<b>Locus ID:</b>	69051
<b>Cytogenetics:</b>	1 H4
<b>Gene Summary:</b>	Housekeeping enzyme that catalyzes the last step in proline biosynthesis. In some cell types, such as erythrocytes, its primary function may be the generation of NADP(+). Can utilize both NAD and NADP. Has higher affinity for NADP, but higher catalytic efficiency with NADH (By similarity). Involved in cellular response to oxidative stress (By similarity).[UniProtKB/Swiss-Prot Function]