

Product datasheet for MC200392

Pycr1 (NM_144795) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pycr1 (NM_144795) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pycr1
Synonyms: P5CR 1; P5CR1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC006727 sequence for NM_144795
CGGACGCGTGGGCCGAATATCCACGCTTCTCTGCTGCCCTACAGAGCCGGCGTCAGCTGTGAAAGTTG
TGGGTCGTGGACCTCCAGACATGAGCGTAGGCTTCATCGGGCAGGGCAGCTAGCCTTTGCTCTAGCCAA
GGGCTTACAGCTGCAGGTGTTCTGGCTGCACACAAGATAATGGCCAGCTCCCCAGACATGGACCAAGCT
ACGGTCTCGGCCCTCCGGAAGATAGGGGTGAACCTGACACCCCAACAAGAGACTGTGCGCCACAGTG
ATGTGCTCTTCTGGCTGTGAAGCCACACATCATCCCCTTCATCCTGGATGAAATTGGGGCGAACATTGA
GGACAGGCACATTGTGGTGTCTTGTGCGGCAGGGGTACCATCAACTCCATCGAAAAGAAGCTGACAGCG
TTCCAACCTGCCCAAAGTCATCCGATGTATGACTAACACCCCGGTCGTGGTACGGGAGGGGGTCACTG
TGTATGCCACAGGTACTCAGCTCAGGTGGAAGATGGCAGGCTTGTGGAGCAGCTCATGGCAGCGTGGG
CTTCTGCACAGAGGTGGAGGAAGATCTGATCGATGCTGTACAGGGCTCAGTGGCAGCGGCCCTGCCTAT
GCTTTCACAGCCCTGGATGCTCTGGCTGACGGTGGTGTGAAAATGGGGCTTCCCAGACGCTGGCAGTCC
GCCTCGGGGCCAGGCCCTCCTGGGGCAGCCAAGATGCTACTAGACTCAGAACAGCATCCCAGCCAGCT
CAAGGATAATGTCTGCTCTCCGGGTGGGGCCACCATCCATGCCTTGCATGTGCTGGAGAGCGGGGCTTT
CGCTCCTTGCTTATCAACGCTGTGGAAGCCTCCTGCATCCGTACACGGGAGCTGCAGACCATGGCTGACC
AGGAGACCATCTCTCTGCTGCCATAAAGAAGACTGTACTGGATAAAGGTGAAGCTGGACTCCTCTGCTGG
GGCCTCTCTGTCTTGTACCATGTCAAGCCACTGCCCTGAAACCTGGTCCCAGCAGGCAAGGAATGATTT
GTCTGCCAGCCTTCTCTGTTCCTACTTTCTTTCTTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
TCCTCTCTCTCCAGCAGGGTTTTGCAGTGTACTCCAGGTTAGCTCTGAAGTGTGATCTCCCACTCTTG
TGTCCTCAAGTGTGGGATCATGGATAAGTGTAAACATGCCAGGATCCTCTTCTATCTTTAAGTCTAAGAT
AGTGACTTGATGTTGCCAGACAAGACTTGAACCTTACAGGCTCAGGGCATACTCTGATTTCAATTCCCGT
TAGGTACACAACACCTGAGAGACTCAGTCTTCTCTTTCTTTCTTTCTTCTGCTTGAAGCTTCTGTCCCAAC
GCTCTCAAACAACACCGAATATCCCATAGCAGGCCCTTGCCACAGCCAGGTCAGCAAGGAAGGGGATA
TCACTTACAACCTGGGACCTCCATTGACTCAAGTGCCAGCTAGACACTAGGTGGCTTCTCAGACCTCC
CCCTCTTCCAGCATCCTCTGGAGCTCAGGCTGTGGGGTCTTTACTCTCCCTAGTTTCAGGGTCAGCTAGC
TAGTTAGCCATGGCTCTCCCTTCTGTGATGACCAGCTGGCCCAAGACATCGTGTACCTCTTCTAGGG
ACTTAACGCTTTAGCAATGATCCCTAGGCACTGGGAAAAGAACTTCTCGGGTAGCTGACACGACTCCT
GCATCTTCCCAACTCACAACTGCTACTGCTTCTCCTATCCTTTCAGTTGAATAAAAAAAAAAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	NM_144795
Insert Size:	930 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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:	BC006727 , AAH06727
RefSeq Size:	1820 bp
RefSeq ORF:	930 bp
Locus ID:	209027
UniProt ID:	Q922W5
Cytogenetics:	11 E2
Gene Summary:	<p>Housekeeping enzyme that catalyzes the last step in proline biosynthesis. Can utilize both NAD and NADP, but has higher affinity for NAD. Involved in the cellular response to oxidative stress.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>