

Product datasheet for **SC330952**

PYCR2 (NM_001271681) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PYCR2 (NM_001271681) Human Untagged Clone
Tag: Tag Free
Symbol: PYCR2
Synonyms: HLD10; P5CR2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330952 representing NM_001271681.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

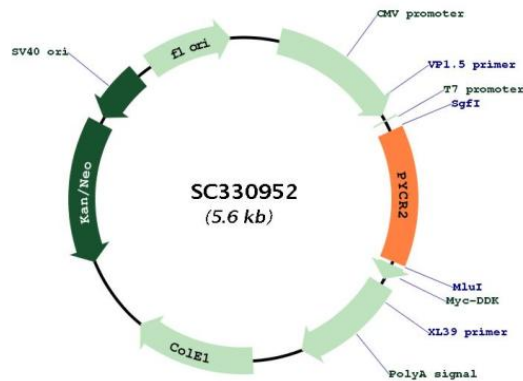
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ATGAGCGTGGGCTTCATCGGGGCCGCCAGCTGGCCTATGCTCTGGCGCGGGGCTTCACGGCCGCAGGC
ATCCTGTGCGGCTCACAAGATAATAGCCAGCTCCCCAGAAATGAACCTGCCACGGTGTCCGCGCTCAGG
AAGATGGGTGTGAACCTGACACGCAGCAACAAGGAGACGGTGAAGCACAGCGACGTCCTGTTTCTGGCT
GTGAAGCCACATATCATCCCTTCATCCTGGATGAGATTGGGGCCGACGTGCAAGCCAGACACATCGTG
GTCTCCTGTGCGGCTGGTGTACCATCAGCTCTGTGGAGAAGGCATTTCATGGCTCTGGACGCATTGGCT
GATGGTGGGTGAAGATGGGTTTGCCACGGCGCCTGGCAATCCAACCTCGGGGCCAGGCTTTGCTGGGA
GCTGCCAAGATGCTGCTGGACTCGGAGCAGCATCCATGCCAGCTTAAGGACAATGTCTGCTCCCCTGGG
GGAGCCACCATCCACGCCCTGCACTTTCTAGAGAGTGGGGGCTTCGGCTCTCTGCTCATCAATGCAGTT
GAGGCCTCCTGTATCCGAACACGAGAGCTACAGTCCATGGCCGACCAAGAAAAGATCTCCCCAGCTGCC
CTTAAGAAGACCCTTTAGACAGAGTGAAGCTGGAATCCCCACAGTCTCCACACTGACCCCTCCAGC
CCAGGGAAGCTCCTCACAAGAAGCTGGCCCTGGGAGGCAAGAAGGACTAA
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_001271681

Insert Size: 741 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:

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_001271681.1](#)

RefSeq Size: 1549 bp

RefSeq ORF: 741 bp

Locus ID: 29920

UniProt ID: [Q96C36](#)

Cytogenetics: 1q42.12

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

MW: 25.9 kDa

Gene Summary: This gene belongs to the pyrroline-5-carboxylate reductase family. The encoded mitochondrial protein catalyzes the conversion of pyrroline-5-carboxylate to proline, which is the last step in proline biosynthesis. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Nov 2012]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region compared to variant 1. It encodes isoform 2 which is shorter compared to isoform 1.