

## Product datasheet for **RC238461**

### PCYOX1L (NM\_001301055) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PCYOX1L (NM_001301055) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PCYOX1L
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238461 representing NM\_001301055  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCCGCCGGGCAAAATCGGTGCGGGAAGGACGCGCGGTGGTTGGGGCTGGGATTGGGGCTCTGCTG  
 TGCCCATTTTCTCCAGCAGCACTTTGGACCTCGGGTGCAGATCGACGTGTACGAGAAGGAACCGTGGG  
 TGGCCGCTTGGCCACCATCTCAGTCAACAAGCAGCACTATGAGAGCGGGGCTGCCTCCTTCCACTCCCTG  
 AGCCTGCACATGCAGGACTTCGTCAGCTGCTGGGGCTGAGGCACCGGCGAGGTGGTGGGAGGAGCG  
 CCATCTTCGGCGGGGAGCACTTCATGCTGGAGGAGACTGACTGGTACCTGCTGAACCTCTCCGCCTCTG  
 GTGGCACTATGGCATCAGCTTCTGAGGCTGCAGATGTGGGTGGAGGAGTTCATGGAGAAGTTCATGAGG  
 ATCTATAAGTACCAGGCCACGGCTATGCCTTCTCGGGTGTGGAGGAGCTGCTCTACTACTGGGGGAGT  
 CCACCTTTGTAAACATGACCCAGCACTCTGTGGCTGAGTCCCTGCTGCAGGTGGGCGTACGCAGCGCTT  
 TATTGATGATGTCGTTTCTGCTGCTCCTGCGGGCCAGCTATGGCCAGTCAAGCAGCATGCCCGCTTTGCA  
 GGAGCCATGTCACTAGCCGGGGCCCAAGGCAGCCTGTGGTCTGTGGAAGGAGGCAATAAGCTGGTTTGT  
 CCGGTTTGTGAAGCTCACCAAGGCCAATGTGATCCATGCCACAGTGACCTCTGTGACCTGCACAGCAC  
 AGAGGGGAAAGCCCTGTACCAGGTGGCGTATGAGAATGAGGTAGGCAACAGCTCTGACTTCTATGACATC  
 GTGGTCATCGCCACCCCTGCACCTGGACAACAGCAGCAGCAACTTAACCTTTGCAGGCTTCCACCCGC  
 CCATTGATGACGTGCAGGGCTCTTCCAGCCACCGTCGTCCTTGGTCCACGGCTACCTCAACTCGTC  
 CTACTTCGGTTTCCAGACCCTAAGCTTTCCCTTTGCCAACATCCTTACCACAGATTTCCCGAGCTTC  
 TTCTGCACTCTGGACAACATCTGCCCTGTCAACATCTCTGCCAGCTTCCGGCGAAAGCAGCCCAAGGAGG  
 CAGCTGTTTGGCGAGTCCAGTCCCAAGCCCTCTTTCGGACCCAGCTAAAGACCCTGTCCGTTCTCTA  
 TTACTCAGTGCAGACAGCTGAGTGGCAGGCCATCCCCTCTATGGCTCCCGCCACGCTCCCGAGGTTT  
 GCACTCCATGACCAGCTTCTACCTCAATGCCCTGGAGTGGGCGCCAGCTCCGTGGAGGTGATGGCCG  
 TGGCTGCCAAGAATGTGGCCTTGTGGCTTACAACCGCTGGTACCAGGACCTAGACAAGATTGATCAAAA  
 AGATTTGATGCACAAGGTCAAGACTGAAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238461 representing NM\_001301055  
 Red=Cloning site Green=Tags(s)

MPRRAKSVREGRAVVGAGIGGSVAHFLQQHFGRVQIDVYEKGTVGGRLATISVKNQHYESGAASFHSL  
 SLHMQDFVKLLGLRHRREVVGSAIFGGEHFMLEETDWYLLNLFRLWWHYGISFLRLQMWVEEVMKFMF  
 IYKYQAHGYAFSGVEELLYSLGESTFVNMTQHSVAESLLQVGVTRFIDVVSAVLRASYGQSAAMPFA  
 GAMSLAGAQGSLWSVEGNNKLVCSGLLKLTKANVIHATVTSVTLHSTEGKALYQVAYENEVGNSSDFYDI  
 VVIATPLHLDNSSNLTFAGFHPPIDDVQGSFQPTVVSLVHGYNSSYFGFPDPKLPFANILTTDFPSF  
 FCTLDNICPVNISASFRKQPQEAAVWRVQSPKPLFRTQLKTLFRSYYSVQTAEWQAHPLYGSRPTLPRF  
 ALHDQLFYLNALEWAASSVEVMAVAKNVALLAYNRWYQDLDKIDQKDLMHKVKTEL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

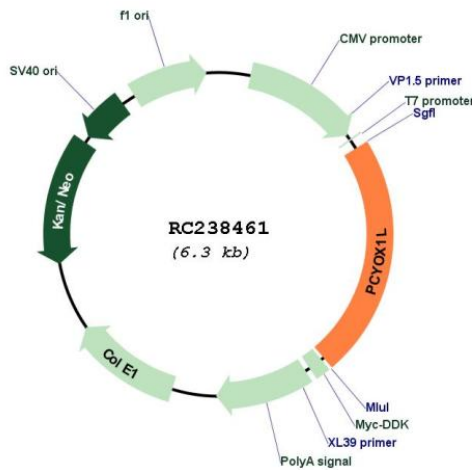
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001301055

ORF Size: 1431 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.

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\\_001301055.1](#), [NP\\_001287984.1](#)

**RefSeq Size:** 2583 bp

**RefSeq ORF:** 1434 bp

**Locus ID:** 78991

**Cytogenetics:** 5q32

**MW:** 53.9 kDa

**Gene Summary:** Probable oxidoreductase.[UniProtKB/Swiss-Prot Function]