

## Product datasheet for **RC238112**

### PCYOX1L (NM\_001301057) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PCYOX1L (NM\_001301057) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PCYOX1L  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC238112 representing NM\_001301057  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGCCCCCGCGGGCAAATCGGTGCGGGAAGGACGCGCGGTGGTTGGGGCTGGGATTGGGGCTCTGCTG  
TGGCCATTTTCTCCAGCAGCACTTTGGACCTCGGGTGCAGATCGACGTGTACGAGAAGGGAACCGTGGG  
TGGCCGCTTGGCCACCCTCTCAGTCAACAAGCAGCACTATGAGAGCGGGGCTGCCTCCTTCCACTCCCTG  
AGCCTGCACATGCAGGACTTCGTCAAGCTGCTGGGGCTGAGGCACCGGCGGAGGTGGTGGCAGGAGCG  
CCATCTTCGCGGGGAGCACTTCATGCTGGAGGAGACTGACTGGTACCTGCTGAACCTCTCCGCTCTG  
GTGGCACTATGGCATCAGCTTCTGAGGCTGCAGATGTGGGTGGAGGAGTTCATGAGAAGTTCATGAGC  
TATGGCCAGTCAGCAGCATGCCCCTTTGCAGGAGCCATGTCAGTACCGGGGCCAAGGCAGCCTGT  
GGTCTGTGAAGGAGGAATAAGCTGGTTTGTCCGGTTTGTGAAGCTCACAAGGCCAATGTGATCCA  
TGCCACAGTGACCTCTGTGACCTGCACAGCACAGAGGGAAAGCCCTGTACCAGGTGGCGTATGAGAAT  
GAGGTAGGCAACAGCTCTGACTTCTATGACATCGTGGTTCATCGCCACCCCTGCACCTGGACAACAGCA  
GCAGCAACTTAACCTTTGCAGGCTTCCACCCGCCATTGATGACGTGCAGGGCTCTTCCAGCCCACCGT  
CGTCTCCTTGGTCCACGGCTACCTCAACTCGTCTACTTCGGTTTCCCAGACCCTAAGCTTTTCCCTTT  
GCCAACATCCTTACCACAGATTTCCCCAGCTTCTTCTGCACTCTGGACAACATCTGCCCTGTCAACATCT  
CTGCCAGCTTCCGGCGAAAGCAGCCCCAGGAGGCAGCTGTTTGGCGAGTCCAGTCCCCAAGCCCTCTT  
TCGGACCCAGCTAAAGACCCTGTTCCTTACTACTCAGTGCAGACAGCTGAGTGGCAGGCCATCCC  
CTCTATGGCTCCCGCCCCAGCTCCCGAGGTTTCACTCCATGACCAGCTTCTACCTCAATGCCCTGG  
AGTGGCGGCCAGCTCCGTGGAGGTGATGGCCGTGGCTGCCAAGAATGTGGCCTTGCTGGCTTACAACCG  
CTGGTACCAGGACCTAGACAAGATTGATCAAAAAGATTGATGCACAAGGTCAAGACTGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC238112 representing NM\_001301057  
Red=Cloning site Green=Tags(s)

MPRRAKSVREGRAVVGAGIGGSAVAHFLQQHFGRVQIDVYEKGTVGRLATISVKNQHYESGAASFHSL  
 SLHMQDFVLLGLRHRREVVGRSAIFGGEHFMLEETDYLNLNLFRLWWHYGISFLRLQMWVEEVMKFMFMS  
 YGQSAAMPAGAMSLAGAQSLSVVEGKNLVCSEGLLTKANVIHATVTSVTLHSTEGKALYQVAYEN  
 EVGNSSDFYDIVVIATPLHLDNSSNLTFAGFHPPIDDVQGSFQPTVSVSLVHGYLNSYSYFGFDPKLFPP  
 ANILTTDFPSFFCTLDNICPVNISASFRRKQPQEAADVWRVQSPKPLFRTQLKTLFRSYYSVQTAEWQHP  
 LYGSRPFLPRFALHDQLFYLNALWAASSVEVMAVAANKVALLAYNRWYQDLKIDQKDLMHKVKTEL

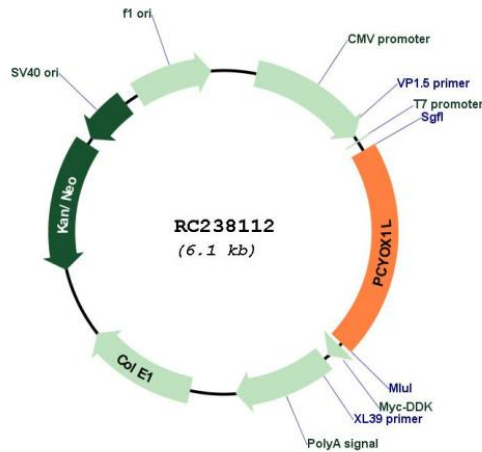
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001301057

<b>ORF Size:</b>	1254 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001301057.2</a>
<b>RefSeq Size:</b>	2406 bp
<b>RefSeq ORF:</b>	1257 bp
<b>Locus ID:</b>	78991
<b>UniProt ID:</b>	<a href="#">Q8NBM8</a>
<b>Cytogenetics:</b>	5q32
<b>MW:</b>	47.3 kDa
<b>Gene Summary:</b>	Probable oxidoreductase.[UniProtKB/Swiss-Prot Function]