

## Product datasheet for MC212810

### Phyhd1 (NM\_172267) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Phyhd1 (NM\_172267) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Phyhd1  
**Synonyms:** MGC49146  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212810 representing NM\_172267  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAAGAAAACAGCCCTGGAGCCATCGAGCTGAGCCAGCTGAGTCTGCAGTATCCCCATGGCCTGCC  
 TGAGTCCCTCACAACCAAGAAGTTCAGGAGGACGGTTTCTGCTGTTGGAAGGATTCTCACAGCGGA  
 TGAGTGTGTGGCCATGCAGCAGAGGATCGGTGAGATTGTAGCTGAGATGGATGTCCTCTGCACTGCCGG  
 ACAGAATTTCCACCCAGGAAGTAGCAACTCAAACCCAGGGCAAGACAGACTACTTCTTGAGCAGCG  
 GTGACAAGATCCGATTCTTCTTTGAAAAAGCGTTTTTGTAGAGAAGGAAATTTCTGGTCCCTCTGA  
 GAAATCTATCAACAAAATGGCCATGCTCTGCATGCCATGACCTGTCTTCAGGAGCATCACACATTCT  
 CCCAAGGTGCAGGCTTTGGTTAGAAGTCTGGGCCCTCCAGATGCCAGTGGTGGTGCAGAGCATGTATATCT  
 TTAAGCAACCTCACTTTGGCGGCGAAGTCTCCCTCACCAGGATGCTACCTTCTACACGGAGCCCT  
 AGGCCGAGTGTGGGCCGTGGATTGCGATGGAGGATGCCATGCTGGAGAACGGTGCCTCTGGTTCATC  
 CCTGGCTCCCATACCCGTGGGGTGTCAAGAAGGATGATTCGAGCCCTTCAGACTCTGGCCTGGCACCA  
 GCTTCTCGGGTCAGATCCAGCCTGGGTAGCAACCTCTTTGTGCCTTTGCCAGTGAGGAGGGGGTCT  
 GGTTCTGATCCATGGAGAAGTGGTGCATAAGAGTGAGCAGAACCATTCCGACCACTCCCGCCAGGCCTAC  
 ACTGTCCACCTCATGGAGGCTGCCGGCACTGTCTGGAGCCAGGGAATTGGCTCCAGCCACGCCCGAGC  
 TGCCCTTCCCACTCTACAGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172267  
**Insert Size:** 936 bp



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<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="#">NM_172267.4</a> , <a href="#">NP_758471.1</a>
<b>RefSeq Size:</b>	1679 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	227696
<b>UniProt ID:</b>	<a href="#">Q9DB26</a>
<b>Cytogenetics:</b>	2 B
<b>Gene Summary:</b>	Has alpha-ketoglutarate-dependent dioxygenase activity. Does not show detectable activity towards fatty acid CoA thioesters. Is not expected to be active with phytanoyl CoA (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).