

Product datasheet for **RN207831**

Phyhd1 (NM_001013081) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phyhd1 (NM_001013081) Rat Untagged Clone
Tag: Tag Free
Symbol: Phyhd1
Synonyms: MGC109475
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN207831 representing NM_001013081
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTGCCTGAGTCCCTCACAACCTCAAGAAGTTCAGGAGGACGGTTTCTGCTGTTGGAAGGATTCT
 TCACAGCAGACGAGTGTGTGGTCATGCAGCAGAGGATTGGTGAGATTGTGGCTGAGATGGACGTCCCTCT
 GCACTGCCGGACAGAATTTCCACCCAGGAAGATGAGCAGCTTCAAACCTCAGGGCAACACGGACTACTTC
 TTGAGCAGTGGTGACAAGATCAGATTCTCTTTGAAAAAGCGTTTTTTGATGAGAAAGGAAATTTCTGG
 TTCTCCAGAGAAATCTATCAACAAAATTGGCCATGCTCTGCATGCCATGACCCTGTCTTCAGGAGCAT
 CACACACTCTCCAAGGTGCAGGCTTTGGTCAGAAGTCTGGGCCTCCAGATACCAGTGGTGTACAGAGC
 ATGTATATCTTTAAGCAACCTCACTTTGGCGGCGAAGTCTCCCCTCACCAGGACGCTACCTTCTGTACA
 CGGAGCCTCTAGGCCGAGTGTGGGCTGTGGATTGCAACGGAGGATGCCATGCTGGAGAACGGTTGCC
 CTGGTTCATCCCTGGCTCCCACACCAAGTGGGGTGTCAAGAAGGATGATCCGAGCCCTTCGGACTCTGGG
 CCTGGCACCAGCTTCTCGGGTCGGAGCCAGCCTGGGATAACAACCTCTTTGTGCCTTTGCCAGTGAGGA
 GAGGGGTCTGGTCTGATCCACGGAGAAGTGGTGACAAGAGTGAGCAGAACCTTTCCGACCACTACG
 CCAGGCCCTACACTTTCCACCTCATGGAGGCCCGGCACTGTCTGGAGCCAGGGAACCTGGCTTCAGCCC
 ACGACTGAGCTGCCCTTCCCACCACTCTACATC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001013081
Insert Size: 876 bp



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| 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: | <u>NM_001013081.1</u> , <u>NP_001013099.1</u> |
| RefSeq Size: | 1346 bp |
| RefSeq ORF: | 876 bp |
| Locus ID: | 296621 |
| UniProt ID: | <u>Q5BJP9</u> |
| Cytogenetics: | 3p12 |
| Gene Summary: | 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] |