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Product datasheet for MC226827

Phyhd1 (NM_001252570) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phyhd1 (NM_001252570) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Phyhd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226827 representing NM_001252570 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCTGCCTGAGTCCCTCACAACTCAAGAAGTTCCAGGAGGACGGGTTTCTGCTGTTGGAAGGATTCT TCACAGCGGATGAGTGTGTGGCCATGCAGCAGAGGATCGGTGAGATTGTAGCTGAGATGGATGTCCCTCT GCACTGCCGGACAGAATTTTCCACCCAGGAAGATGAGCAACTTCAAACCCAGGGCAAGACAGACTACTTC TTGAGCAGCGGTGACAAGATCCGATTCTTCTTTGAAAAAGGCGTTTTTGATGAGAAAGGAAATTTCTTGG TCCCTCCTGAGAAATCTATCAACAAAATTGGCCATGCTCTGCATGCCCATGACCCTGTCTTCAGGAGCAT CACACATTCTCCCAAGGTGCAGGCTTTGGTTAGAAGTCTGGGCCTCCAGATGCCAGTGGTGGTGCAGAGC ATGTATATCTTTAAGCAACCTCACTTTGGCGGCGAAGTCTCCCCTCACCAGGATGCTACCTTCCTCTACA CGGAGCCCCTAGGCCGAGTGTTGGGCCTGTGGATTGCGATGGAGGATGCCATGCTGGAGAACGGTTGCCT CTGGTTCATCCCTGGCTCCCATACCCGTGGGGTGTCAAGAAGGATGATTCGAGCCCCTTCAGACTCTGGG CCTGGCACCAGCTTCCTCGGGTCAGATCCAGCCTGGGCTAGCAACCTCTTTGTGCCTTTGCCAGTGAGGA GAGGGGGTCTGGTTCTGATCCATGGAGAAGTGGTGCATAAGAGTGAGCAGAACCATTCCGACCACTCCCG CCAGGCCTACACTGTCCACCTCATGGAGGCTGCCGGCACTGTCTGGAGCCCAGGGAATTGGCTCCAGCCC ACGCCCGAGCTGCCCTTCCCACCACTCTACAGCTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001252570
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252570.1, NP_001239499.1
RefSeq Size:	1300 bp
RefSeq ORF:	876 bp
Locus ID:	227696
UniProt ID:	Q9DB26
Cytogenetics:	2 B
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] Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1. Both variants 3 and 5 encode the same isoform (3). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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