

Product datasheet for **RN211143**

Phyh (NM_053674) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phyh (NM_053674) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phyh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211143 representing NM_053674 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTATACGCGCGCTGGTGCCCGGCTGCAGGTCCTTCTGGGACACCTTGGCCGACCCTCGGCCCTTC
AGATTGTAGCCACCCCGTATCAGGGCCGGCTTCCCCTGCCAATTTCTGTCTGAACAATCCAGTATAC
TTTGGACAATAATGTCTCAGCCTGGAGCAGAGAAAATTTATGAAGAAAACGGGTTTCTCGTCATTAAA
AATCTGGTATCGGATGATGATATTCAACGGTTTCGAGCAGAGTTTGAAAGAATCTGCAGAAAGGAGGTGA
AACCACCAGGGATGACTGTAATGAAAGACGTGGCCATTGCGAAGCAGGGTTATGCGCCAAGTGAGAGGGT
GGTTACGAAGATCCAGGATTTCCAACAAAATGAGGAGCTTTCAGATACTGTGCCCTGCCCCAGATTGTG
AAATACGTGGAGTGCTTCACTGGACCCAATATTATGGCTATGCACACAATGCTGATCAACAAGCCTCCGG
ATTCTGGCAAGAAGACATCCCGCATCCCTTGCATCAGGATCTGCACTTTTTCCCCTTCCGACCCAGCAA
CCTAATTGTTTGTCTTGGACAGCCATGGAGCACATCGACAGGAACAATGGCTGTCTTGTGTGCTCCCT
GGTACCCACAAAGTCCCCTGAAGCCACATGATTACCCCAAGTGGGAGGGAGGATTAACAAAATGTACC
ATGGCATCCAAGACTATGACCCGGACAGCCCCCGCTCCACTTGGTGATGGAAAAGGGCGACACAGTTTT
CTCCATCCCCTGCTCATCCATGGATCTGGTCGGAACAGAACTCAAGGATTCAGGAAAGCAATCTCCTGC
CACTATGGCAGCTCCGACTGCAAATATATCAGCGTGAAGGGCACCAGTCAAGAAAACATTGCGAGGGAAG
TTATTGAGATTGCGGAGAAACGTTATGGAGTCCAAGGAGCCCTGGACTTTGAGGACACTTGGAAAGTTTCG
ATGCCGACTTGTGAAAGGAGAAAGAATAAACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_053674
Insert Size:	1017 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:	NM_053674.1 , NP_446126.1
RefSeq Size:	1198 bp
RefSeq ORF:	1017 bp
Locus ID:	114209
UniProt ID:	P57093
Cytogenetics:	17q12.3
Gene Summary:	catalyzes the conversion of phytanoyl-CoA to 2-hydroxyphytanoyl-CoA; plays a role in phytanic acid alpha-oxidation [RGD, Feb 2006]