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# Product datasheet for SC206938

## PHYH (NM_001037537) Human 3' UTR Clone

### Product data:

| | |
|---|---|
| **Product Type:** | 3' UTR Clones |
| **Symbol:** | PHYH |
| **Synonyms:** | LN1; LNAP1; PAHX; PHYH1; RD |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pMirTarget (PS100062) |
| **ACCN:** | NM_001037537 |
| **Insert Size:** | 532 bp |

**Insert Sequence:**

>SC206938 3'UTR clone of NM_001037537
The sequence shown below is from the reference sequence of NM_001037537. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTTGTGAAAGGAGAAAGAACCAATCTTTGAAATAGCCATCTGCTATAACTCTTTCAACAGAAAACCAAA
ACCAAACGAAATGTCTAAGGAAAATGTTTTCTTAATGAGATGATGTAACCTTTTCTATCACTTGTTAAA
AGCAGAAAACATGTATCAGGTACTTAATTGCATAGAGTTAGTTTTGCAGCACAATGGTGTTGCTTTAAT
GGAAAAAAAAAACAGTAAAAGTGAAATATTACTGTTTTAAGGAAAACTAATTTAGGGTGGCAGCCAATA
AAGGTGGTTGGTGTCTAATTTAAGTGTTAAATCAATTTCTTTCATTCAGTTAGCTCTTTACCCAAGAAG
AAGTGAATGATTTGGAGCTTAGGGTATGTTTTGTATCCCCTTTCTGATAAACCCATTCCCTACCAATTT
TATGTCATAAGAGATTTTTTTCCCCCAAATCTAGAACAATGTATAATACATTCACATCTAGTCAAGGGC
ATAGGAACGGTGTCATGGAGTCCAAATAAAGTGGATATTCCTGCTCGGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** NM_001037537.2

**Summary:** This gene is a member of the PhyH family and encodes a peroxisomal protein that is involved in the alpha-oxidation of 3-methyl branched fatty acids. Specifically, this protein converts phytanoyl-CoA to 2-hydroxyphytanoyl-CoA. Mutations in this gene have been associated with Refsum disease (RD) and deficient protein activity has been associated with Zellweger syndrome and rhizomelic chondrodysplasia punctata. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

**Locus ID:** 5264

**MW:** 20.5