

## Product datasheet for **TP306277**

### PHYH (NM\_006214) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human phytanoyl-CoA 2-hydroxylase (PHYH), transcript variant 1, 20 µg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC206277 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                 |

MEQLRAAARLQIVLGHLLGRPSAGAVVAHPTSGTISSASFHPQQFQYTLDNNVLTLEQRKFEENGFLVIK  
NLVPDADIQRFRNEFEKICRKEVKPLGLTVMRDVTISKSEYAPSEKMITKVQDFQEDKELFRYCTLPEIL  
KYVECFGPNIMAMHTMLINKPPDSGKTSRHLHQDLHYFFRPSDLIVCAWTAMEHISRNNGLVWLP  
GTHKGLKPHDYPKWEGGVNKMFMHGIQDYEENKARVHLVMEKGDVFFHPLLIHSGSQNKQTQGFRKAISC  
HFASADCHYIDVKGTSQENIEKEVVGIAHKFFGAENSVNLKDIWMFRARLVKGERTNL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 35.4 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <a href="#">NP_006205</a>  |
| Locus ID:      | 5264   |



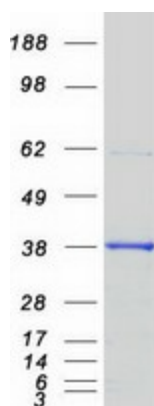
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UniProt ID: [O14832](#)  
RefSeq Size: 1620  
Cytogenetics: 10p13  
RefSeq ORF: 1014  
Synonyms: LN1; LNAP1; PAHX; PHYH1; RD

**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]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PHYH protein (Cat# TP306277). The protein was produced from HEK293T cells transfected with PHYH cDNA clone (Cat# [RC206277]) using MegaTran 2.0 (Cat# [TT210002]).