

Product datasheet for **TP306277M**

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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206277 protein sequence Red =Cloning site Green =Tags(s)

MEQLRAAARLQIVLGHLLGRPSAGAVVAHPTSGTISSASFHPQQFQYTLDNNVLTLEQRKFEENGFLVIK
NLVPDADIQRFRNEFEKICRKEVKPLGLTVMRDVTISKSEYAPSEKMITKVQDFQEDKELFRYCTLPEIL
KYVECFTPGNIMAMHTMLINKPPDSGKTSRHLHQDLHYFFRPSDLIVCAWTAMEHISRNNGLVLP
GTHKGSCLKPHDYPKWEGGVNKMFMHGIQDYEENKARVHLVMEKGDVFFHPLLIHGSGQNKTQGFRKAISC
HFASADCHYIDVKGTSQENIEKEVVGIAHKFFGAENSVNLKDIWMFRARLVKGERNL

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:	NP_006205
Locus ID:	5264



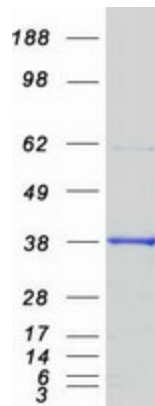
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UniProt ID: [O14832](#)
RefSeq Size: 1620
Cytogenetics: 10p13
RefSeq ORF: 1014
Synonyms: LN1; LNAP1; PAHX; PHYH1; RD

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]).