

Product datasheet for PH306277

PHYH (NM_006214) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PHYH MS Standard C13 and N15-labeled recombinant protein (NP_006205)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206277
Predicted MW:	38.5 kDa
Protein Sequence:	>RC206277 protein sequence Red=Cloning site Green=Tags(s) MEQLRAAARLQIVLGHGRPSAGAVVAHPTSGTISSASFHPQQFYQLDNNVLTLEQRKFEENGFLVIK NLVPDADIQRFRNEFEKICRKEVKPLGLTVMRDVTISKSEYAPSEKMITKVQDFQEDKELFRYCTLPEIL KYVECFTPGPNIMAMHTMLINKPPDSGKKT SRHPLHQDLHYFPFRPSDLIVCAWTAMEHISRNGCLVVL P GTHKGS LKPHDYPKWE GGVNKM FHGIQDY EENKARVHLVMEKGD TVFFHPLL I HGS GQNK TQGFRA I SC HFASADCHYIDVKGTSQENIEKEVVGIAHKFFGAENSVNLKDIWMFRARLVK GERTNL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006205</u>
RefSeq Size:	1620
RefSeq ORF:	1014
Synonyms:	LN1; LNAP1; PAHX; PHYH1; RD
Locus ID:	5264



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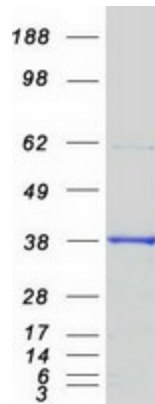
UniProt ID: [O14832](#)

Cytogenetics: 10p13

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]).