

Recombinant Human PHYH Protein Product Manual

1. Product Basic Information

Product No.: REP07787

Protein Name: Phytanic Acid Oxidase (PHYH)

Aliases: RD; LN1; PAHX; LNAP1; PHYH1; phytanic acid oxidase; phytanoyl-CoA 2-hydroxylase; phytanoyl-CoA alpha hydroxylase; phytanoyl-CoA alpha-hydroxylase; phytanoyl-CoA dioxygenase, peroxisomal; phytanoyl-CoA...

UniProt ID: O14832

UniProt Link: <https://www.uniprot.org/uniprotkb/O14832/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-338aa)

Molecular Weight: 62.4kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-338aa)

SGTISSASFHPQQFQYTLDNNVLTLEQRKFYEENGFLVIKNLVPDADIQRFRNEFEKI
CRKEVKPLGLTVMRDVTISKSEYAPSEKMITKVVQDFQEDKELFRYCTLP EILKYVECF
TGNIMAMHTMLINKPPDSGKTSRHPLHQDLHYFPFRPSDLIVCAWTAMEHISRN
NGCLVVLPGTHKGLKPHDYPKWEGGVNKMFGIQDY EENKARVHLVMEKGDTV
FFHPLLIHGSGQNKTQGFRKAISCHFASADCHYIDVKGTSQENIEKEVVGIAHKFFGA
ENSVNLKDIWMFRARLVKGERTNL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PHYH full length protein (1-338aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. PHYH, also known as RD or LN1 or PAHX, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.