

Recombinant Human PHYH protein(Ser31-Leu338)

Cat. No. PHYH-8581H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human PHYH protein(O14832)(Ser31-Leu338) was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Ser31-Leu338 |
| similar | PHYH |
| Alias | PHYH; phytanoyl-CoA 2-hydroxylase; phytanoyl CoA hydroxylase , phytanoyl CoA hydroxylase (Refsum disease); phytanoyl-CoA dioxygenase, peroxisomal; PAHX; PHYH1; phytanoyl CoA dioxygenase; RD; Refsum disease; phytanic acid oxidase; phytanoil-CoA alpha hydroxylase; phytanoyl-CoA alpha-hydroxylase; phytanoyl-CoA 2 oxoglutarate dioxygenase; LN1; LNAP1; |
| Conjugate | N/A |
| Form | Lyophilized from sterile 20mM mops, 10% glycerol, 2mM DDT, 1mM EDTA, 0.2mM PMSF, 0.2M NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Bioactivity | |

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| MolecularMass | The recombinant human PHYH consists of 309 amino acids and predicts a molecular mass of 35.6 KDa. It migrates as an approximately 26-32 KDa band in SDS-PAGE under reducing conditions. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method |
| Purity | > 80 % as determined by SDS-PAGE |
| Storage | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| GeneName | PHYH phytanoyl-CoA 2-hydroxylase [Homo sapiens] |
| GeneNameWeblink | 5264 |
| OfficialSymbol | PHYH |
| OfficialSymbolWeblink | 5264 |
| GeneID | 5264 |
| GeneIDWeblink | 5264 |
| mRNARefseq | NM_001037537 |
| mRNARefseqWeblink | NM_001037537.1 |

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|-----------------------------|--------------------------------|
| ProteinRefseqWeblink | NP_001032626.1 |
| MIMWeblink | 602026 |
| UniProtID | O14832 |
| UniProtIDWeblink | O14832 |

GENE INFORMATION

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|-----------------|---|
| Synonyms | PHYH; phytanoyl-CoA 2-hydroxylase; phytanoyl CoA hydroxylase , phytanoyl CoA hydroxylase (Refsum disease); phytanoyl-CoA dioxygenase, peroxisomal; PAHX; PHYH1; phytanoyl CoA dioxygenase; RD; Refsum disease; phytanic acid oxidase; phytanoil-CoA alpha hydroxylase; phytanoyl-CoA alpha-hydroxylase; phytanoyl-CoA 2 oxoglutarate dioxygenase; LN1; LNAP1; |
| MIM | 602026 |

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