Recombinant Human Phytanoyl-CoA dioxygenase, peroxisomal (PHYH)

Product Code	CSB-YP017946HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14832
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SGTISSASFH PQQFQYTLDN NVLTLEQRKF YEENGFLVIK NLVPDADIQR FRNEFEKICR KEVKPLGLTV MRDVTISKSE YAPSEKMITK VQDFQEDKEL FRYCTLPEIL KYVECFTGPN IMAMHTMLIN KPPDSGKKTS RHPLHQDLHY FPFRPSDLIV CAWTAMEHIS RNNGCLVVLP GTHKGSLKPH DYPKWEGGVN KMFHGIQDYE ENKARVHLVM EKGDTVFFHP LLIHGSGQNK TQGFRKAISC HFASADCHYI DVKGTSQENI EKEVVGIAHK FFGAENSVNL KDIWMFRARL VKGERTNL
Source	Yeast
Target Names	PHYH
Protein Names	Recommended name: Phytanoyl-CoA dioxygenase, peroxisomal EC= 1.14.11.18 Alternative name(s): Phytanic acid oxidase Phytanoyl-CoA alpha-hydroxylase Short name= PhyH
Expression Region	31-338
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.