

General Information

Gene Name Synonym

Phytanic acid oxidase; Phytanoyl-CoA alpha-hydroxylase

Protein Construction

A DNA sequence encoding the human PHYH (O14832) (Ser31-Leu338) was expressed, with a N-terminal Met.

Organism

Human

Expression Host

E. coli

QC Testing

Purity

> 80 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

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.

Formulation

Lyophilized from sterile 20mM mops, 10% glycerol, 2mM DDT, 1mM EDTA, 0.2mM PMSF, 0.2M NaCl, pH 7.2

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

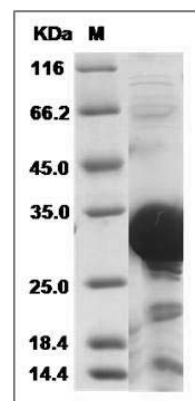
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human PHYH Protein SDS-PAGE