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Product Information

MemDX™ Membrane Protein Human PHYH (Phytanoyl-CoA 2-hydroxylase) for Antibody Discovery

Cat. No.: **MP1016X**
This product is for research use only and is not intended for diagnostic use.

This product is a 62.92 kDa Human PHYH membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
PHYH

Protein Length
Full-length

Molecular Weight
62.92 kDa

Sequence
MEQLRAAARLQIVLGHLGRPSAGAVVAHPTSGTISSASFHPQQFQYTLDNNVLTLEQRKFYEENGFLVIKNLVPDADIQRFRNEFEK

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification
Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

PHYH

Full Name

Phytanoyl-CoA 2-hydroxylase

Introduction

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.

Alternative Names

RD; LN1; PAHX; LNAP1; PHYH1; hytanoyl-CoA dioxygenase, peroxisomal; phytanic acid oxidase; phytanoil-CoA alpha hydroxylase; phytanoyl-CoA 2 oxoglutarate dioxygenase; phytanoyl-CoA alpha-hydroxylase

Gene ID

5264

UniProt ID

O14832

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