

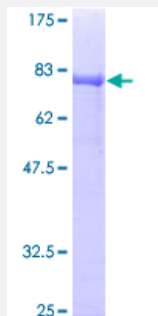
Full-Length

DPH2 (Human) Recombinant Protein (P01)

Catalog # H00001802-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DPH2 full-length ORF (AAH16956, 1 a.a. - 489 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MESMFSSPAEAAALQRETGVPGLLTLPDL DGVYELERVAGFVRDLGCERVALQFPDQLLGDAV
AVAARLEETTGSKMFI LGDTAYGSCCV DVLGAEQAGAQA LIHFGPACLSPPARPLPVAFVLRQRS
VALELCVKAFE AQNPDPKAPVLLSE PACAHAEALATLLRPRYDLLVSSPAFPQPVGSLSPEP
MPLERFGRRFPLAPGRRLEEYGA FYVGGSKASPD PDLPDLSRLLLGWAPGQPFSSCCPD TGK
TQDEGARAGRLRARRRYLVERARDARVVGLLAGTLGVAQHREALAHLRNLQAAGKRSYVLALG
RPTPAKLANFPEVDVFVLLACPLGALAPQLSGSFFQPI LAPCELEAACNPAWPPPGLAPHLTHYA
DLLPGSPFHVALPPPESELWETPDVSLITGDLRPPPAWKSSNDHGS LALTPRPQLELAESSPAA
SFLSSRSWQGLEPRLGQTPVTEAVSGRRGIAIAYEDEGSG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.53

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DPH2

Entrez GeneID[1802](#)**GeneBank Accession#**[BC016956](#)**Protein Accession#**[AAH16956](#)**Gene Name**

DPH2

Gene Alias

DPH2L2

Gene Description

DPH2 homolog (S. cerevisiae)

Omim ID[603456](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is one of two human genes similar to the yeast gene dph2. The yeast gene was identified by its ability to complement a diphthamide mutant strain, and thus probably functions in diphthamide biosynthesis. Diphthamide is a post-translationally modified histidine residue present in elongation factor 2 (EF2) that is the target of diphtheria toxin ADP-ribosylation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

DPH2-like 2|OTTHUMP00000010007|diphthamide biosynthesis protein 2|diphthamide biosynthesis-like protein 2|diphtheria toxin resistance protein required for diphthamide biosynthesis-like 2

Disease

- [Tobacco Use Disorder](#)