

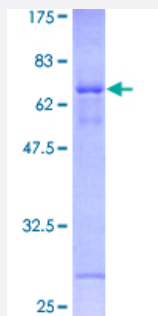
Full-Length

DPH1 (Human) Recombinant Protein (P01)

Catalog # H00001801-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DPH1 full-length ORF (NP_001374, 1 a.a. - 363 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPEGLLLFACTIVDILERFTEAEVMVMGDVTYGACCVDDFTARALGADFLVHYGHSCVIPMDTSA
QDFRVLVYFVIDRIDTTHLLDSLRLTFPPATALALVSTIQFVSTLQAAAQELKAEYRVSPQCKPLS
PGEILGCTSPRLSKEVEAVVYLGDRFHLESVMIANPNVPAYRYDPYSKVLSTREHYDHQRMQAAR
QEAIATARSASWGLILGTLGRQGSPKILEHLESRLRALGLSFVRLLLSEIFPSKLSLLPEVDVWVQ
VACPRLSIDWGTAFPKPLLTPYEAVALRDISWQQPYPMDFYAGSSLGPWTVNHGQDRRPHAPG
RPARGKVQEGSARPPSAVACEDCSCRDEKVAPLAP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

65.56

Interspecies Antigen Sequence

Mouse (87); Rat (86)

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 — DPH1

Entrez GeneID[1801](#)**GeneBank Accession#**[BC003099.1](#)**Protein Accession#**[NP_001374](#)**Gene Name**

DPH1

Gene Alias

DPH2L, DPH2L1, FLJ33211, OVCA1

Gene Description

DPH1 homolog (S. cerevisiae)

Omim ID[603527](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaeobacteria to humans and serves as the target for ADP-ribosylation and inactivation of EEF2 by diphtheria toxin (DT) and Pseudomonas exotoxin A. DPH1 is 1 of several enzymes involved in synthesis of diphthamide in EEF2 (Liu et al., 2004 [PubMed 15485916]).[supplied by OMIM]

Other Designations

DPH-like 1|DPH2-like 1|candidate tumor suppressor in ovarian cancer 1|diphtheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1|diphtheria toxin resistance protein required for diphthamide biosynthesis-like 1|ovarian c