

Recombinant Full Length Human DPH2 Protein, GST-tagged

Cat. No. DPH2-4074HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human DPH2 full-length ORF (AAH16956, 1 a.a. - 489 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	489 amino acids
Description	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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]
Molecular Mass	79.53 kDa
AA Sequence	MESMFSSPAEAAALQRETGVPGLLTPLPDLG VYELERVAGFVRDLGCERVALQFPD QLLGDAVAVAAARLEETTGSKMFI LGDTAYGSCCV DVLGAEQAGA QALIHFGPA CLSP PARPLPVAFVLRQRSVALELCVKAFE AQNPDPKAPV VLLSE PACAHAL EALATLLRP RYLDLLVSSPAFPQPVGSL SPEPMLERFGRRFPLAPGRRLEEYGA FYVGGSKASP DPDLDPDLSRLLL GWAPGQPFSSCCPDTGKTQDEGARAGRLRARRRYLVERARDA RVVGLLAGTLGVAQHREALAHLRNL TQAAGKRSYVLALGRPTPAKLANFPEVDV FVL LACPLGALAPQLSGSFFQPILAPCELEAACNPAWPPPGLAPHLTHYADLLPGSPFHV

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ALPPPESELWETPDVSLITGDLRPPPAWKSSNDHGSLALTPRPQLELAESSPAASFL
SSRSWQGLEPRLGQTPVTEAVSGRRGIAIAYEDEGSG

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DPH2 DPH2 homolog (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	DPH2
Synonyms	DPH2; DPH2 homolog (<i>S. cerevisiae</i>); diphtheria toxin resistance protein required for diphthamide biosynthesis like 2 (<i>S. cerevisiae</i>) , DPH2 like 2 (<i>S. cerevisiae</i>) , DPH2L2; diphthamide biosynthesis protein 2; DPH2-like 2; diphthamide biosynthesis-like protein 2; diphthamide biosynthesis protein 2 homolog-like 2; diphtheria toxin resistance protein required for diphthamide biosynthesis-like 2; DPH2L2;
Gene ID	1802
mRNA Refseq	NM_001039589
Protein Refseq	NP_001034678



MIM	603456
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UniProt ID	Q9BQC3
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