

Recombinant Full Length Human DPH2 Protein

Cat. No. DPH2-131HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DPH2 with a N terminal proprietary tag; Predicted MWt 79.90 kDa.
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. Two transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Molecular Mass	79.900kDa inclusive of tags
AA Sequence	MESMFSSPAEAAALQRETGVPGLLTPLPDLG VYELERVAG FVRDLGCERVALQFP DQLLGDAVAVAAARLEETTGSKMFIL GDTAYGSCCV DVLGAEQAGA QALIHFGPACL SPPARPLPV AFVLRQRSVALELCVKAFAEQNPDPKAPV VLLSEPACAHA LEALATLL RPRYLDLLVSSPAFPQPVGSLSP EPMPLERFG RRFPLAPGRRLEEYGA FYVGGSKA SPDPDLDPDLSRLLLG WAPGQPFSSCCPDTGKTQDEGARAGRLRARRRYLVERAR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

D ARVVGLLAGTLGVAQHREALAHLRNLQAAGKRSYVLALG RPTPAKLANFPEVD
 VVLLACPLGALAPQLSGSFFQPILA PCELEAACNPAWPPGLAPHLTHYADLLPGS
 PFHVALPPP ESELWETPDVSLITGDLRPPPAWKSSNDHGSLALTPRPQL ELAESSP
 AASFLSSRSWQGLEPRLGQTPVTEAVSGRRGIA IAYEDEGSG

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [DPH2 DPH2 homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol [DPH2](#)

Synonyms DPH2; DPH2 homolog (S. cerevisiae); diphtheria toxin resistance protein required for diphthamide biosynthesis like 2 (S. cerevisiae) , DPH2 like 2 (S. cerevisiae) , DPH2L2; diphthamide biosynthesis protein 2

Gene ID [1802](#)

mRNA Refseq [NM_001039589](#)

Protein Refseq [NP_001034678](#)

MIM [603456](#)

UniProt ID [Q9BQC3](#)

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