

Recombinant Human DPH2

Cat. No. DPH2-28432TH **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	Wheat Germ
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.
Molecular Weight	79.900kDa inclusive of tags
Tissue specificity	Strongly expressed in skeletal muscle. Moderately expressed in heart, small intestine, liver, pancreas, testis and colon. Weakly expressed in brain, placenta, kidney, spleen, thymus, prostate, ovary and lymphocytes.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MESMFSSPAEAAALQRETGVPGLLTPLPDLG VYELERVAG FVRDLGCERVALQFP DQLLGDAVAVAAARLEETTGSKMFI L GDTAYGSCCV DVLGAEQAGA QALIHFGPACL SPPARPLPV AFVLRQRSVALELCVKAFE AQNPDPKAPV VLLSEPACAH A LEALATLL RPRYDLLVSSPAFPQPVGSL SPEPMLERFG RRFPLAPGRRLEEYGA FYVGGSKA SPDPDLDPDLSRLLLG WAPGQPFSSCCPDTGKTQDEGARAGRLRARRRYLVERAR D ARVVGLLAGTLGVAQHREALAHLRNLTQAAGKRSYVLALG RPTPAKLANFPEVD VFVLLACPLGALAPQLSGSFFQPILA PCELEAACNPAWPPPGLAPHLTHYADLLPGS PFHVALPPP ESELWETPDVSLITGDLRPPPAWKSSNDHGSLALTPRPQL ELAESSP AASFLSSRSWQGLEPRLGQTPVTEAVSGRRGIA IAYEDEGSG
Sequence Similarities	Belongs to the DPH1/DPH2 family. DPH2 subfamily.
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;
Gene ID	1802
mRNA Refseq	NM_001039589

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Protein Refseq	NP_001034678
MIM	603456
Uniprot ID	Q9BQC3
Chromosome Location	1p34

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