

Product datasheet for PH301382

DPH2 (NM_001384) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DPH2 MS Standard C13 and N15-labeled recombinant protein (NP_001375)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201382
Predicted MW:	52.1 kDa
Protein Sequence:	>RC201382 protein sequence Red=Cloning site Green=Tags(s)

MESMFSSPAEALQRETGVPGLLTLPDLGQVYELERVAGFVRDLGCERVALQFPDQLLGDAVAVAAARLE
ETTGSKMFI LGDTAYGSCCVDLGAEQAGAQAL IHFGPACLSPPARLPVAFVLRQRSVALELCVKAFEA
QNPDPKAPVVLLSEPAHALEALATLLRPRYLDLLVSSPAFPQPVGSLSPEPMLERFGRFRPLAPGRR
LEEYGAFYVGGSKASPDLDLDPDLSRLLLGWAPGQPFSSCCPDTGKTQDEGARAGRLRARRRYLVERARD
ARVVGLLAGTLGVAQHREALAHLRNL TQAAGKRSYVVALGRPTPAKLANFPEVDVFVLLACPLGALAPQL
SGSFFQPI LAPCELEAACNPWPPPGLAPHLTHYADLLPGSPFHVALPPPESELWETPDVSLITGDLRPP
PAWKSSNDHGSLALTPRQLELAESSPAASFSSRSWQGLEPRLGQTPVTEAVSGRRGIAIAYEDEGSG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001375</u>
RefSeq Size:	2513
RefSeq ORF:	1467
Synonyms:	DPH2L2



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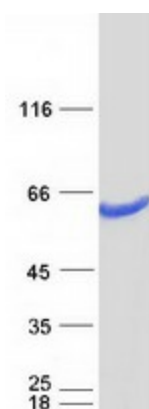
Locus ID: 1802

UniProt ID: [Q9BOC3](#)

Cytogenetics: 1p34.1

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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]

Product images:



Coomassie blue staining of purified DPH2 protein (Cat# [TP301382]). The protein was produced from HEK293T cells transfected with DPH2 cDNA clone (Cat# [RC201382]) using MegaTran 2.0 (Cat# [TT210002]).