

Product datasheet for PH320529

DPH5 (NM_015958) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DPH5 MS Standard C13 and N15-labeled recombinant protein (NP_057042)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220529
Predicted MW:	31.5 kDa
Protein Sequence:	>RC220529 representing NM_015958 Red=Cloning site Green=Tags(s)

MLYLIGLGLGDAKDITVKGLEVVRRCSRYYLEAYTSVLTVGKEALEEFYGRKLVVADREEVEQEADNILK
DADISDVAFLLVVGDPFGATTHSDLVLRATKLGIPYRVIHNASIMNAVGCCGLQLYKFGETVSIVFWTDTW
RPESFFDKVKKNRQNGMHTLCLLDIKVKEQSLENLIKGRKIYEPPRYMSVNQAAQQLLEIVQNQRIRGEE
PAVTEETLCVGLARVGADDQKIAAGTLRQMCTVDLGEPLHSLIITGGSIHPEMEMEMLSLFSIPENSSESQ
SINGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_057042</u>
RefSeq Size:	1457
RefSeq ORF:	855
Synonyms:	AD-018; CGI-30; HSPC143; NPDP015
Locus ID:	51611



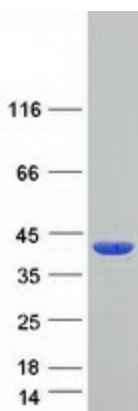
[View online »](#)

UniProt ID: [Q9H2P9](#), [B3KWP1](#)

Cytogenetics: 1p21.2

Summary: This gene encodes a component of the diphthamide synthesis pathway. Diphthamide is a post-translationally modified histidine residue found only on translation elongation factor 2. It is conserved from archaeobacteria to humans, and is targeted by diphtheria toxin and Pseudomonas exotoxin A to halt cellular protein synthesis. The yeast and Chinese hamster homologs of this protein catalyze the trimethylation of the histidine residue on elongation factor 2, resulting in a diphthine moiety that is subsequently amidated to yield diphthamide. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified DPH5 protein (Cat# [TP320529]). The protein was produced from HEK293T cells transfected with DPH5 cDNA clone (Cat# [RC220529]) using MegaTran 2.0 (Cat# [TT210002]).