

Product datasheet for PH321955

OVCA1 (DPH1) (NM_001383) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DPH1 MS Standard C13 and N15-labeled recombinant protein (NP_001374)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221955
Predicted MW:	48.6 kDa
Protein Sequence:	>RC221955 representing NM_001383 Red=Cloning site Green=Tags(s)

MRRQVMAALVVSAAEQGGRDGPGRGRAPRGRVANQIPPEILKNPQLQAAIRVLPNSYNFEIPKTIWRIQ
QAQAKKVALQMPEGLLLFACTIVDILERFTEAEVMVMGDVTYGACCVDDFTARALGADFLVHYGHSLIP
MDTSAQDFRVLYVFVDIRIDTTHLLDSLRLTFPPATALALVSTIQFVSTLQAAAQELKAEYRVSVPQCKP
LSPGEILGCTSPRLSKEVEAVVYLGDRFHLESVMIANPNVPAARYDPYSKVL SREHYDHQRMQAARQEA
IATARSAKSWGLILGTLGRQGSPILEHLESRLRALGLSFVRLLLSEIFPSKLSLLPEVDVWVQVACPRL
SIDWGTAFPKPLLTPEAAVALRDISWQQPYPMDFYAGSSLGPWTVNHGQDRRPHAPGRPARQKVEGSA
RPPSAVACEDCSRDEKVAPLAP

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:	NP_001374
RefSeq Size:	2200
RefSeq ORF:	1329
Synonyms:	DEDSSH; DPH2L; DPH2L1; OVCA1



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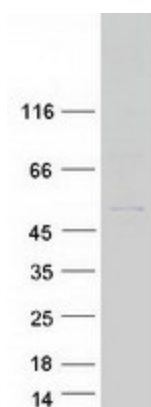
Locus ID: 1801

UniProt ID: [Q9BZG8](#)

Cytogenetics: 17p13.3

Summary: The protein encoded by this gene is an enzyme involved in the biosynthesis of diphthamide, a modified histidine found only in elongation factor-2 (EEF2). Diphthamide residues in EEF2 are targeted for ADP-ribosylation by diphtheria toxin and Pseudomonas exotoxin A. Defects in this gene have been associated with both ovarian cancer and autosomal recessive intellectual disability with short stature, craniofacial, and ectodermal anomalies. [provided by RefSeq, Oct 2016]

Product images:



Coomassie blue staining of purified DPH1 protein (Cat# [TP321955]). The protein was produced from HEK293T cells transfected with DPH1 cDNA clone (Cat# [RC221955]) using MegaTran 2.0 (Cat# [TT210002]).