DPH1 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	DPH1, Lysate
Full Product Name	Human DPH1 Protein Lysate
Product Gene Name	DPH1 lysate
Product Synonym Names	DPH1; DPH2L; DPH2L1; OVCA1; DEDSSH
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	49kDa
OMIM	603527
3D Structure	ModBase 3D Structure for Q9BZG8
Related Product Information for DPH1 lysate	Human DPH1 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of DPH1 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DPH1 purchase	MBS8410692 is a lysate targeting DPH1. Also known as Human DPH1 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPH1. It may not necessarily be applicable to this product.

NCBI GI #	116686106
NCBI GeneID	1801
NCBI Accession #	NP_001374
UniProt Primary Accession #	Q9BZG8
UniProt Related Accession #	Q9BZG8
GenBank Nucleotide #	NM_001383
NCBI Official Full Name	2-(3-amino-3-carboxypropyl)histidine synthase subunit 1 isoform 1
NCBI Official Synonym Full Names	diphthamide biosynthesis 1
NCBI Official Symbol	DPH1
NCBI Official Synonym Symbols	DPH2L; OVCA1; DEDSSH; DPH2L1
UniProt Protein Name	Diphthamide biosynthesis protein 1
UniProt Synonym Protein Names	DPH1 homolog; HsDph1; Diphthamide biosynthesis protein 2 homolog-like 1; DPH-like 1; DPH2-like 1; Diphthamide biosynthesis protein 2-like; Ovarian cancer-associated gene 1 protein

Protein Family	Deubiquitination-protection protein
UniProt Gene Name	DPH1
UniProt Synonym Gene Names	DPH2L; DPH2L1; OVCA1
UniProt Entry Name	DPH1_HUMAN
NCBI Protein Information	2-(3-amino-3-carboxypropyl)histidine synthase subunit 1
NCBI Summary for DPH1	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]
Research Articles on DPH1	**1.** novel homozygous DPH1 mutation causes intellectual disability and unique craniofacial features
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