Recombinant Mouse Dph1 Protein, MYC/DDK-tagged

Cat. No. Dph1-586M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse diphthamide biosynthesis 1 (Dph1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2. When overexpressed, suppresses colony formation ability and growth rate of ovarian cancer cells. Acts also as a tumor suppressor in lung and breast cancers. Plays a role in embryonic growth, organogenesis and postnatal survival.
Molecular Mass	48.5 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Dph1 diphthamide biosynthesis 1 [Mus musculus (house mouse)]
Official Symbol	Dph1
Synonyms	Dph1; diphthamide biosynthesis 1; Ovca1; Dph2l1; AW551873; 2310011M22Rik; 4930488F09Rik; 2-(3-amino-3-carboxypropyl)histidine synthase subunit 1; DPH1 homolog; DPH2-like 1; S-adenosyl-L-methionine:L-histidine 3-amino-3-carboxypropyltransferase 1; diphthamide biosynthesis protein 1; diphthamide biosynthesis protein 2 homolog-like 1; diphtheria toxin resistance protein 1; diptheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1; mmDph1; ovarian cancer-associated gene 1 protein homolog; EC 2.5.1.108
Gene ID	116905
mRNA Refseq	NM_144491
Protein Refseq	NP_652762
UniProt ID	Q5NCQ5

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