

Recombinant Mouse Dph5 Protein, Myc/DDK-tagged

Cat. No. Dph5-2636M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length diphthamide biosynthesis 5 (Dph5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	S-adenosyl-L-methionine-dependent methyltransferase that catalyzes four methylations of the modified target histidine residue in translation elongation factor 2 (EF-2), to form an intermediate called diphthine methyl ester. The four successive methylation reactions represent the second step of diphthamide biosynthesis.
Molecular Mass	31.2 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	Dph5 diphthamide biosynthesis 5 [Mus musculus (house mouse)]
Official Symbol	Dph5
Synonyms	DPH5; DPH5 homolog (S. cerevisiae); diphthine synthase; diphthamide biosynthesis methyltransferase; C80186; AU045680; 2410012M04Rik
Gene ID	69740
mRNA Refseq	NM_027193
Protein Refseq	NP_081469
UniProt ID	Q9CWQ0

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