Recombinant Human DPH5 Protein, MYC/DDK-tagged

Cat. No. DPH5-2477H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPH5 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	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 archaebacteria 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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	31.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	DPH5 DPH5 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	DPH5
Synonyms	AD-018; CGI-30; HSPC143; NPD015
Gene ID	51611
mRNA Refseq	NM_001077394
Protein Refseq	NP_001070862
MIM	611075
UniProt ID	Q9H2P9

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