

Product datasheet for TP320529M

DPH5 (NM_015958) Human Recombinant Protein

Product data:

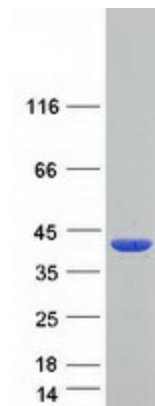
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DPH5 homolog (<i>S. cerevisiae</i>) (DPH5), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220529 representing NM_015958 Red =Cloning site Green =Tags(s) MLYLIGLGLGDAKDITVKGLEWVRRCSRVYLEAYTSVLTVGKEALEEFYGRKLVVADREEVEQEADNILK DADISDVAFLVVGDPFGATTHSDLVLRATKLGIPYRVIHNASIMNAVGCCGLQLYKFGETVSIVFWTDTW RPESFFDKVKKNRQNGMHTLCLLDIKVKEQSLENLIKGRKIYEPPTYMSVNQAAQQLLEIVQNQRIRGEE PAVTEETLCVGLARVGADDQKIAAGTLRQMCTVDLGEPLHSLIITGGSIHPPMEMEMLSLFSIPENSSESQ SINGL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	31.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_057042</u>
Locus ID:	51611


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UniProt ID: [Q9H2P9](#)
RefSeq Size: 1457
Cytogenetics: 1p21.2
RefSeq ORF: 855
Synonyms: AD-018; CGI-30; HSPC143; NPD015

Summary: 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 archaeobacteria 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. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified DPH5 protein (Cat# [TP320529]). The protein was produced from HEK293T cells transfected with DPH5 cDNA clone (Cat# [RC220529]) using MegaTran 2.0 (Cat# [TT210002]).