

## Product datasheet for TP516667

### Dph1 (NM\_144491) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse diphthamide biosynthesis 1 (Dph1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216667 representing NM_144491 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAALWSETAEPGSRVGPGRGRISRGRLANQIPPEVLNNPQLQAAVQVLPSNYNFEIPKTIWRIQQAQAK KVALQMPEGLLLFACTIVDILERFTEAEVMVMGDVTYGACCVDDFTARALGVDFLVHYGHSCSLVPMDTSV QDFRVLYVFVDIRIDTAHLLDSVRLTFTPGSSLALVSTIQFVSTLQAAAQELKADYHISVPQCKPLSPGE ILGCTSPRLSKEVEAVVYLGDRFHLESVMIANPNIPAYRYDPYGKVLRSREYDHRMQATRQEIAAAR SAKSWGLILGTLGRQGSPKILEHLESQRLNLGLPFVRLLLSEIFPSKLSLLPEVDVWVQVACPRLSIDWG SAFPKPLLPYEAAVALKDISWQQPYPMDFYSGSSLGPWTVNYGRDRAPRGLCQPASDKVQQGSRGGSPA PACESNCADQKATSPAP</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	48.5 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
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 after receiving vials.
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:	<a href="#">NP_652762</a>
Locus ID:	116905



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UniProt ID:	<u>Q5NCQ5</u>
RefSeq Size:	2103
Cytogenetics:	11 45.76 cM
RefSeq ORF:	1314
Synonyms:	2310011M22Rik; 4930488F09Rik; AW551873; Dph2l1; Ovca1
Summary:	Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2). Acts also as a tumor suppressor in lung and breast cancers. Plays a role in embryonic growth, organogenesis and postnatal survival. When overexpressed, suppresses colony formation ability and growth rate of ovarian cancer cells (By similarity).[UniProtKB/Swiss-Prot Function]