

## Product datasheet for **TP509279**

### **Ppm1d (BC023492) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse protein phosphatase 1D magnesium-dependent, delta isoform (cDNA clone MGC:32306 IMAGE:5026376), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA</b>	>MR209279 representing BC023492
<b>Clone or AA Sequence:</b>	Red=Cloning site Green=Tags(s)

MAGLYSLGVSFSDQGGRKYMEDVTQIVVEPEPAAEDKPAPVPRRALGLPATPTLAGVGPSEKGPAAARD  
PAPDAAASLPAGRCCRRRSSVAFFAVCDGHGGREAAQFAREHLWGFIKKQKGFSSSEPAKVCAAIRKGF  
ACHLAMWKKLEWPKTMTGLPSTSGTTASVVIIRGMKMYVAHVGDSDGVLGIQDDPKDDFVRAVEVTQDHK  
PELPKERERIEGLGGSVMNKSGVNRVWKRPRLTHSGPVRRTVIDQIPFLAVARALGDLWSYDFFSGKF  
VVSPEPDTSVHTLDRKHKYIILGSDGLWNMVPQQDAISMCQDQEEKKYLMGEQQSCAKMLVNRALGRW  
RQRMLRADNTSAIVICISPEVDNQGNTNEDELFLNLTDSPYNSQETCVMTSSPSSTPIKSPPEEDAWP  
RLSSKDHPALVRSNAFSEKFLEVP AEIARGNIQTVVMTSKDSETLEENC PKALTRLIHDSLNNLTVSGL  
IPTNSTNTIMDQKNLKMSTPGQMKAEVERTPPANFKRTLEESNSGPLMKKHRRNGLSRSSGAQASSLPT  
ASQRRHSVKLTLRRRLRGQRKMGNPLLHQRKTVVCV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	74.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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Locus ID:	53892
UniProt ID:	<a href="#">Q9QZ67</a>
RefSeq Size:	2023
Cytogenetics:	11 51.34 cM
RefSeq ORF:	1791
Synonyms:	AV338790; Wip1
Summary:	Involves in the negative regulation of p53 expression. Required for the relief of p53-dependent checkpoint mediated cell cycle arrest. Binds to and dephosphorylates 'Ser-15' of TP53 and 'Ser-345' of CHEK1 which contributes to the functional inactivation of these proteins. Mediates MAPK14 dephosphorylation and inactivation (By similarity). Is also an important regulator of global heterochromatin silencing and critical in maintaining genome integrity (PubMed:24135283).[UniProtKB/Swiss-Prot Function]