

## Product datasheet for **TP317548L**

### PPM1H (NM\_020700) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein phosphatase 1H (PP2C domain containing) (PPM1H), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217548 representing NM_020700 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MLTRVKSAVANFMGGIMAGSSGSEHGGGSCGGSDLPLRFPYGRPEFLGLSQDEVECSADHIARPILILKE  
TRRLPWATGYAEVINAGKSTHNEDQASCEVLTVKKKAGAVTSTPNRNSSKRRSSLPNGEGLQLKENSESE  
GVSCHYWSLFDGHAGSGAAVVASRLLQHHITEQLQDIVDILKNSAVLPPTCLGEEPENTPANSRTLTRAA  
SLRGGVGAPGSPSTPPTRFFTEKKIPHECLVIGALESFAKEMDLQIERERSSYNISGGCTALIVICLLGK  
LYVANAGDSRAIIIRNGEIIIPMSSEFTPETERQLQYLAFMQPHLLGNEFTHLEFPRRVQRKELGKKMLY  
RDFNMTGWAYKTIEDLKFPLIYGEGKKARVMATIGVTRGLGDHDLKVHDSNIYIKPFLSSAPEVRIYD  
LSKYDHGSDDLILATDGLWDVLSNEEVAEAITQFLPNCDDPHRYTLAAQDLVMRARGVLKDRGWRI  
NDRLGSGDDISVYIPLIHGNKLS

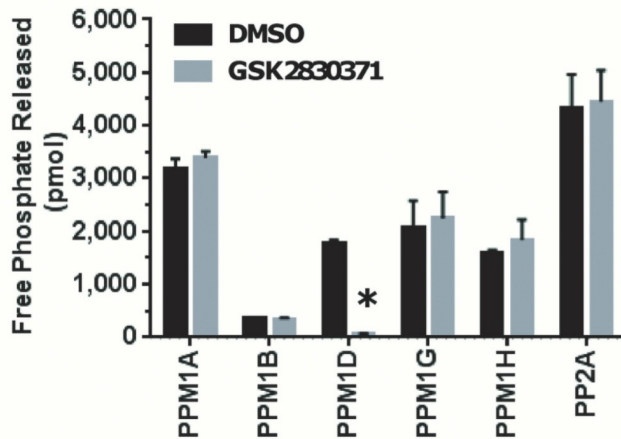
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	56.3 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
Bioactivity:	In vitro phosphatase assay (PMID: <a href="#">25658463</a> )
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.

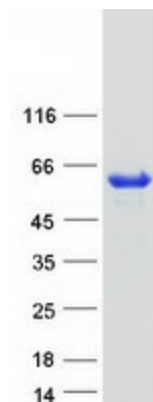


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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_065751</a>
<b>Locus ID:</b>	57460
<b>UniProt ID:</b>	<a href="#">Q9ULR3</a>
<b>RefSeq Size:</b>	6201
<b>Cytogenetics:</b>	12q14.1-q14.2
<b>RefSeq ORF:</b>	1542
<b>Synonyms:</b>	ARHCL1; NERPP-2C; URCC2
<b>Summary:</b>	Dephosphorylates CDKN1B at 'Thr-187', thus removing a signal for proteasomal degradation. [UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Phosphatase

**Product images:**


Release of free phosphate was measured after incubation of different protein phosphatases, including PPM1H (OriGene [TP317548]), with the generic phosphopeptide, RRA (pT)VA. \*  $p < 0.01$ . Figure cited from PLoS ONE, PMID: 25658463



Coomassie blue staining of purified PPM1H protein (Cat# [TP317548]). The protein was produced from HEK293T cells transfected with PPM1H cDNA clone (Cat# [RC217548]) using MegaTran 2.0 (Cat# [TT210002]).