

## Product datasheet for TP309425L

### PPM1B (NM\_177969) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform (PPM1B), transcript variant 3, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC209425 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGAFLDKPKTEKHNAHGAGNGLRYGLSSMQGWRVEMEDAHTAVVGIPHGLEDWSFFAVYDGHAGSRVANY CSTHLLIHITTNEDFRAAGKSGSALELSVENVKNGIRTGFLKIDEYMRNFSDLRNGMDRSGSTAVGVMIS PKHIYFINCGDSRAVLYRNGQVCFSTQDHKPCNPREKERIQNAGGSVMIQRVNGSLAVSRALGDYDYKCV DGKGPTEQLVSPPEPEVEILRAEEDFIIACDGIWDVMSNEELCEYVKSRLVSDDLNVCNWWVDTCCL HKGSRDNMSIVLVCFSNAPKVSDEAVKKDSELDKHLESRVEEIMEKSGEEMPDLAHVMRILSAENIPNL PPGGGLAGKRNVIEAVYSRLNPHRESDGASDEAEESGSQGLVEALRQMRINHRGNRQLLEEMLTYSYRL AKVEGEESPAEPAATATSSNSDAGNPVTMQESHTESEGLAELDSSNEDAGTKMSGEKI</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	20.6 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>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<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.
<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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RefSeq: [NP\\_808908](#)

Locus ID: 5495

UniProt ID: [O75688](#)

RefSeq Size: 1829

Cytogenetics: 2p21

RefSeq ORF: 1440

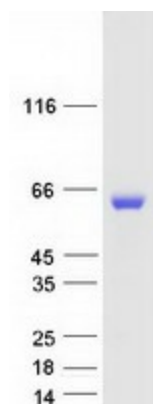
Synonyms: PP2C-beta; PP2C-beta-X; PP2CB; PP2CBETA; PPC2BETAX

**Summary:** The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase has been shown to dephosphorylate cyclin-dependent kinases (CDKs), and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to cause cell-growth arrest or cell death. Alternative splicing results in multiple transcript variants encoding different isoforms. Additional transcript variants have been described, but currently do not represent full-length sequences. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Phosphatase, Stem cell - Pluripotency

**Protein Pathways:** MAPK signaling pathway

### Product images:



Coomassie blue staining of purified PPM1B protein (Cat# [TP309425]). The protein was produced from HEK293T cells transfected with PPM1B cDNA clone (Cat# [RC209425]) using MegaTran 2.0 (Cat# [TT210002]).