

Full-Length

## PPM1B (Human) Recombinant Protein (P01)

Catalog # H00005495-P01

Size 25 ug, 10 ug

### Applications



### Specification

Product Description	Human PPM1B full-length ORF ( AAH12002, 1 a.a. - 192 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSIVLCFSNAPKVSDEAVKKDSELDKHLESRVEEIMEKSGEEGMPDLAHVMRILSAENIPNLPP GGGLAGKRNVEAVYSRLNPHRES DGASDEAEESGSQGKLVEALRQMRINHRGNRQLLEMLT SYRLAKVEGEESPAEPAATATSSNSDAGNPVTMQESHTESESGLAELDSSNEDAGTKMSGEKI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46.86
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — PPM1B

Entrez GeneID	<a href="#">5495</a>
GeneBank Accession#	<a href="#">BC012002</a>
Protein Accession#	<a href="#">AAH12002</a>
Gene Name	PPM1B
Gene Alias	MGC21657, PP2C-beta-X, PP2CB, PP2CBETA, PPC2BETAX
Gene Description	protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform
Omim ID	<a href="#">603770</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene 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]
Other Designations	OTTHUMP00000158953 OTTHUMP00000158955 protein phosphatase 1B protein phosphatase 2C beta isoform protein phosphatase 2C-like protein

## Pathway

- [MAPK signaling pathway](#)

## Disease

- [Tobacco Use Disorder](#)