

## Recombinant Full Length Mouse Ppm1a Protein, Myc/DDK-tagged

Cat. No. Ppm1a-5045M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length protein phosphatase 1A, magnesium dependent, alpha isoform (Ppm1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Enzyme with a broad specificity. Negatively regulates TGF-beta signaling through dephosphorylating SMAD2 and SMAD3, resulting in their dissociation from SMAD4, nuclear export of the SMADs and termination of the TGF-beta-mediated signaling. Dephosphorylates PRKAA1 and PRKAA2. Plays an important role in the termination of TNF-alpha-mediated NF-kappa-B activation through dephosphorylating and inactivating IKBKB/IKKB.
<b>Molecular Mass</b>	42.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<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>Storage</b>	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Ppm1a protein phosphatase 1A, magnesium dependent, alpha isoform [ *Mus musculus* (house mouse) ]

**Official Symbol** Ppm1a

**Synonyms** PPM1A; protein phosphatase 1A, magnesium dependent, alpha isoform; protein phosphatase 1A; Mpp alpha; PP2C-alpha; protein phosphatase 1A; protein phosphatase 2C isoform alpha; MMPa-2; MPPa-1; AI427932; AU017636; 2310003C21Rik; 2900017D14Rik

**Gene ID** 19042

**mRNA Refseq** NM\_008910

**Protein Refseq** NP\_032936

**UniProt ID** P49443

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA