

## Recombinant Mouse Ppp4r3a Protein, Myc/DDK-tagged

**Cat. No.** Ppp4r3a-5085M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length protein phosphatase 4 regulatory subunit 3A (Ppp4r3a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                  |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Regulatory subunit of serine/threonine-protein phosphatase 4. May regulate the activity of PPP4C at centrosomal microtubule organizing centers. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AX phosphorylated on 'Ser-140' (gamma-H2AX) generated during DNA replication and required for DNA DSB repair. |
| <b>Molecular Mass</b>   | 93.8 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.                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                              |

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## GENE INFORMATION

|                 |                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Ppp4r3a protein phosphatase 4 regulatory subunit 3A [ Mus musculus (house mouse) ]                                                                                                                      |
| Official Symbol | Ppp4r3a                                                                                                                                                                                                 |
| Synonyms        | Ppp4r3a; protein phosphatase 4 regulatory subunit 3A; Smek; Smek1; BC064465; mKIAA2010; 1110034C04Rik; serine/threonine-protein phosphatase 4 regulatory subunit 3A; SMEK homolog 1, suppressor of mek1 |
| Gene ID         | 68734                                                                                                                                                                                                   |
| mRNA Refseq     | NM_211355                                                                                                                                                                                               |
| Protein Refseq  | NP_997594                                                                                                                                                                                               |
| UniProt ID      | Q6P2K6                                                                                                                                                                                                  |

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