Recombinant Mouse Ppm1d Protein, Myc/DDK-tagged

Cat. No. Ppm1d-5046M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein phosphatase 1D magnesium-dependent, delta isoform (cDNA clone MGC:32306 IMAGE:5026376), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in the negative regulation of p53 expression. Required for the relief of p53-dependent checkpoint mediated cell cycle arrest. Binds to and dephosphorylates 'Ser-15' of TP53 and 'Ser-345' of CHEK1 which contributes to the functional inactivation of these proteins. Mediates MAPK14 dephosphorylation and inactivation. Is also an important regulator of global heterochromatin silencing and critical in maintaining genome integrity.
Molecular Mass	74.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name	Ppm1d protein phosphatase 1D magnesium-dependent, delta isoform [Mus musculus (house mouse)]
Official Symbol	Ppm1d
Synonyms	Ppm1d; protein phosphatase 1D magnesium-dependent, delta isoform; Wi; Wip1; AV338790; protein phosphatase 1D; PP2C-delta; p53-induced protein phosphatase 1; protein phosphatase magnesium-dependent 1 delta; EC 3.1.3.16
Gene ID	53892
mRNA Refseq	NM_016910
Protein Refseq	NP_058606
UniProt ID	Q9QZ67

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