

Recombinant Mouse Ppp1r15a Protein, Myc/DDK-tagged

Cat. No. Ppp1r15a-5064M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein phosphatase 1, regulatory subunit 15A (Ppp1r15a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Recruits the serine/threonine-protein phosphatase PP1 to dephosphorylate the translation initiation factor eIF-2A/EIF2S1, thereby reversing the shut-off of protein synthesis initiated by stress-inducible kinases and facilitating recovery of cells from stress. Down-regulates the TGF-beta signaling pathway by promoting dephosphorylation of TGFB1 by PP1. May promote apoptosis by inducing TP53 phosphorylation on 'Ser-15'. In case of infection with vesicular stomatitis virus (VSV), impairs viral replication.
Molecular Mass	71.8 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 Ppp1r15a protein phosphatase 1, regulatory subunit 15A [Mus musculus (house mouse)]

Official Symbol Ppp1r15a

Synonyms Ppp1r15a; protein phosphatase 1, regulatory subunit 15A; Gadd3; Gadd34; Myd116; 9630030H21; protein phosphatase 1 regulatory subunit 15A; growth arrest and DNA damage-inducible protein GADD34; growth arrest and DNA-damage-inducible 34; myeloid differentiation primary response gene 116; myeloid differentiation primary response protein MyD116; protein phosphatase 1, regulatory (inhibitor) subunit 15A

Gene ID 17872

mRNA Refseq NM_008654

Protein Refseq NP_032680

UniProt ID P17564

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