

AR51812PU-S**Human PPM1D (98-375, His-tag) - Purified**

Alternate names:	PP2C-DELTA, Protein phosphatase 1D magnesium-dependent, WIP1, delta isoform
Quantity:	50 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	PPM1D also known as Protein phosphatase 1D magnesium-dependent, delta isoform. This protein 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. The expression of this gene is induced in a p53-dependent manner in response to various environmental stresses. While being induced by tumor suppressor protein TP53/p53, this phosphatase negatively regulates the activity of p38 MAP kinase (MAPK/p38) through which it reduces the phosphorylation of p53, and in turn suppresses p53-mediated transcription and apoptosis. This phosphatase thus mediates a feedback regulation of p38-p53 signaling that contributes to growth inhibition and the suppression of stress induced apoptosis.
Uniprot ID:	Q8NEA7
NCBI:	AAH33893
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol.
Description:	Recombinant human PPM1D, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHHH SSGLVPRGSH MVAFFAVCDG HGGREAAQFA REHFWGFIKK QKGFTSSEPA KVCAAIRKGF LACHLAMWKK LAEWPKTMTG LPSTSGTTAS VVIIRGMKMY VAHVGD SGVV LGIQDDPKDD FVRAVEVTQD HKPELPKERE RIEGLGGSVM NKSGVNRVWV KRPRLTHNGP VRRSTVIDQI PFLAVARALG DLWSYDFFSG EFVVSPEPDT SVHTLDPQKH KYIILGSDGL WNMIPPQDAI SMCQDQEEKK YLMGEHQSC AKMLVNRALG RWRQRMLRAD NTAIVICI Molecular weight: 33.2 kDa (299aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Fiscella M., et al. (1997) Proc Natl Acad Sci U S A, 94 (12): 6048–53.

Pictures:

