

Product datasheet for AR51812PU-N

OriGene Technologies, Inc.

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PPM1D (98-375, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: PPM1D (98-375, His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MVAFFAVCDG HGGREAAQFA REHFWGFIKK QKGFTSSEPA KVCAAIRKGF LACHLAMWKK LAEWPKTMTG LPSTSGTTAS VVIIRGMKMY VAHVGDSGVV LGIQDDPKDD FVRAVEVTQD HKPELPKERE RIEGLGGSVM NKSGVNRVVW KRPRLTHNGP VRRSTVIDQI PFLAVARALG DLWSYDFFSG EFVVSPEPDT SVHTLDPQKH KYIILGSDGL WNMIPPQDAI SMCQDQEEKK YLMGEHGQSC AKMLVNRALG RWRQRMLRAD NTSAIVICI

Tag: His-tag
Predicted MW: 33.2 kDa
Concentration: lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: This purified protein is available in a denatured form, making it less

suitable for functional studies. Denatured proteins are better suited for applications like

Western Blot (WB) or imaging assays.

State: Liquid purified protein

Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human PPM1D, fused to His-tag at N-terminus, was expressed in E.coli.

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.

Stability: Shelf life: one year from despatch.

RefSeq: NP 003611

Locus ID: 8493

 UniProt ID:
 O15297

 Cytogenetics:
 17q23.2

Synonyms: Protein phosphatase 1D magnesium-dependent, delta isoform, PP2C-DELTA, WIP1





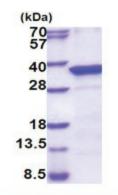
Summary:

The protein encoded by this gene 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. This gene is located in a chromosomal region known to be amplified in breast cancer. The amplification of this gene has been detected in both breast cancer cell line and primary breast tumors, which suggests a role of this gene in cancer development. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Phosphatase

Protein Pathways: p53 signaling pathway

Product images:



15% SDS-PAGE (3ug)