

## 32-6893: PPM1D Human

**Alternative Name :** Protein phosphatase 1D magnesium-dependent, delta isoform, PPM1D, Protein Phosphatase 1D, PP2C-DELTA, WIP1.

### Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

Protein Phosphatase 1D (PPM1D) belongs to the PP2C family of Ser/Thr protein phosphatases whose members are negative regulators of cell stress response pathways. PPM1D is induced by tumor suppressor protein TP53/p53 in response to multiple environmental stresses. PPM1D is a negative regulator of the activity of p38 MAP kinase through which it reduces the phosphorylation of p53 and suppresses p53-mediated transcription and apoptosis. PPM1D is located in a chromosomal area which enlarges in breast cancer.

PPM1D Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 299 amino acids (98-375a.a.) and having a molecular mass of 33.2kDa. PPM1D is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** PPM1D protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MVAFFAVCDG HGGREAAQFA REHFWGFIKK QKGFTSSEPA  
KVCAAIRKGF LACHLAMWKK LAEWPKTMTG LPSTSGTTAS VVIIRGMKMY VAHVGD SGVV LGIQDDPKDD  
FVRAVEVTQD HKPELPKERE RIEGLGGSVM NKSGVNRVWV KRPRLT HNGP VRRSTVIDQI PFLAVARALG  
DLWSYDFFSG EFVVSPEPDT SVHTLDPQKH KYIILGSDGL WNMIPPQDAI SMCQDQEEKK YLMGEHGQSC  
AKMLVNRALG RWRQRMLRAD NTSIAVICI.