

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 VAHVGDSGVV LGIQDDPKDD
FVRAVEVTQD HKPELPKERE RIEGLGGSVM NKSGVNRVWV KRPRLTHNGP VRRSTVIDQI PFLAVARALG
DLWSYDFFSG EFVVSPEPDT SVHTLDPQKH KYIILGSDGL WNMIPPQDAI SMCQDQEEKK YLMGEHGQSC
AKMLVNRALG RWRQRMLRAD N TSAIVICI.