

Protein Phosphatase 1A Alpha Isoform Human Recombinant

Item Number	rAP-1574
Synonyms	Protein phosphatase 1A, EC 3.1.3.16, Protein phosphatase 2C isoform alpha, PP2C-alpha, IA, PPM1A, PP2CA, MGC9201.
Description	Protein Phosphatase 1A Alpha Isoform Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 418 amino acids and having a molecular mass of 46.6KDa (containing a 36 aa His tag, T7 gene 10 leader, Xpress™ Epitope). The protein coding region of PPM1A
Uniprot Accession Number	P35813
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWILMGAF LDKPKMEKHN AQQQGNGRLRY GLSSMQGWRV EMEDAHTAVI GLPSGLESWS FFAVYDGHAG SQVAKYCCEH LLDHITNNQD FKG- SAGAPSV ENVKNGIRTG FLEIDEHMRV MSEKKHGADR SGSTAVGVLI SPQHTYFINC GDSRGLLCRN RKVHFFTQDH KPSNPLEKER IQNAGGSVMI QRVNGSLAVS RALGDFDYKC VHKGKPTQL VSPEPEVHDI ERSEDDQFI ILACDGIWDV MGNEELCDFV RSRLEVTDLL EKVCNEVVDT CLYKGS- RDNM SVILICFPNA PKVSPEAVKK EAELDKYLEC RVEEIIKKQG EGVPDLVHVM RTLASENIPS LPPGGELASK RNVEAVYNR LNPYKNDTDD STSTDDMW.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	PPM1A protein solution (1mg/ml) contains 10mM Tris-HCl, pH7.5, 50mM NaCl, 2mM DTT, 1mM MnCl ₂ and 20% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**