

Human PPM1A Recombinant Protein



RPPB2626

Product Information Protein Information

Product SKU:

RPPB2626

Accession:

P35813

Host:

Escherichia Coli.

Protein 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, Xpres™ Epitope). The protein coding region of PPM1A (amino acids 1-382) was cloned into an E. coli expression vector (BamHI/Hind3 site). PP2Ca was overexpressed in E. coli as a soluble His-tag fusion protein, and it was purified by conventional column chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Protein phosphatase 1A, EC 3.1.3.16, Protein phosphatase 2C isoform alpha, PP2C-alpha, IA, PPM1A, PP2CA, MGC9201.

Formulation:

PPM1A protein solution (1mg/ml) contains 10mM Tris-HCl, pH7.5, 50mM NaCl, 2mM DTT, 1mM MnCl₂ and 20% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

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 Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWILMGAF LDKPKMEKHN AQQQGNGRLY
GLSSMQGWRV EMEDAHTAVI GLPSGLESWS FFAVYDGHAG SQVAKYCCEH LLDHITNNQD FKGSAGAPSV
ENVKNGIRTG FLEIDEHMRV MSEKKHGADR SGSTAVGVLI SPQHTYFINC GDSRGLLCRN RKVHFFTQDH
KPSNPLEKER IQNAGGSVMI QRVNGSLAVS RALGDFDYKC VHGKGPTEQL VSPEPEVHDI ERSEEDDQFI
ILACDGIWDV MGNEELCDFV RSRLEVTDDL EKVCNEVVDI CLYKGSRDNM SVILICFPNA PKVSPEAVKK
EAELDKYLEC RVEEIIKKQG EGVPDLVHVM RTLASENIPS LPPGGELASK RNVIEAVYNR LNPYKNDTDT
STSTDDMW.