

32-2715: PPME1 Recombinant Protein

Alternative Name : Protein phosphatase methylesterase 1, PME-1, FLJ22226, EC 3.1.1.

Description

Source : E.coli. PPME1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 406 amino acids (1-386) and having a molecular mass of 44.4 kDa. The PPME1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. PPME1 catalyzes the demethylation and inactivation of protein phosphatase (PP2A), a multimeric phosphoserine/ threonine protein phosphatase related to growth inhibition and cell cycle arrest. PPME1 can demethylate PP2A catalytic subunit in vitro and okadaic acid treatment can inhibit this reaction. It is conserved from yeast to human and holds a motif found in lipases having a catalytic triad activated serine as their active site nucleophile.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The PPME1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 20% 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 MSALEKSMHL GRLPSRPPLP GSGGSQSGAK MRMGPGRKRD FSPVPWSQYF ESMEDVEVEN ETGKDTFRVY KSGSEGPVLL LLHGGGHSAL SWAVFTAII SRVQCRIVAL DLRSHGETKV KNPEDLSAET MAKDVGNVVE AMYGDLPPPI MLIGHSMGGA IAVHTASSNL VPSLLGLCFI DVVEGTAMDA LNSMQNFLRG RPKTFKSLEN AIEWSVKSGQ IRNLESARVS MVGQVKQCEG ITSPEGSKSI VEGIIIIIIII DEEGSESISK RKKEDDMETK KDHPYTWRIE LAKTEKYWDG WFRGLSNLFL SCPIPKLLLL AGVDRDLKDL TIGQMKGKFQ MQVLPQCGHA VHEDAPDKVA EAVATFLIRH RFAEPIGGFQ CVFPGC