

Product information

PPME1, 1-386aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1150

Full name: Protein phosphatase methylesterase 1

NCBI Accession No.: NP_057231

Synonyms: FLJ22226, PME-1

Description: PPME1, also known protein phosphatase methylesterase-1(PME1), catalyzes the demethylation and inactivation of protein phosphatase (PP2A), which is a multimeric phosphoserine/ threonine protein phosphatase associated with growth inhibition and cell cycle arrest. It can demethylate PP2A catalytic subunit in vitro and okadaic acid treatment is capable of inhibiting this reaction. It is conserved from yeast to human and contains a motif found in lipases having a catalytic triad activated serine as their active site nucleophile. Recombinant human PPME1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

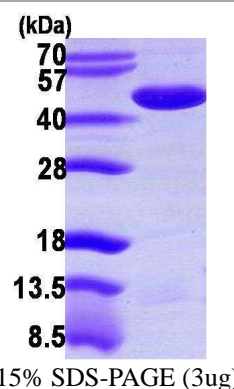
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

0.1M NaCl, 1mM DTT

Molecular Weight: 44.4 kDa (406aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSALEKSMHL GRLPSRPPLP GSGGSQSGAK MRMGPGRKRD FSPVPWSQYF ESMEDVEVEN ETGKDTFRVY
KSGSEGPVLL LLHGGGHSAL SWAVFTAAII SRVQCRIVAL DLRSHGETKV KNPEDLSAET MAKDVGNVVE AMYGDLPPP I MLIGHSMGGA
IAVHTASSNL VPSLLGLCM I DVVEGTAMDA LNSMQNFLRG RPKTFKSL EN AIEWSVKSGQ IRNLESARVS MVGQVKQCEG ITSPEGSKSI
VEGIIEEEEE DEEGSESI SK RKKEDDMETK KDHPYTWR I E LAKTEKYWDG WFRGLSNLFL SCPIPKLLLL AGVDRDLKDL TIGQMGGKFKQ
MQVLPQCGHA VHEDAPDKVA EAVATFLIRH RFAEPIGGFQ CVFPGC

General references:

Ogris E. *et al.* (1999) *J. Biol. Chem.* 274: 14382-14391.

Gagnon S.N. *et al.* (2002) *Biochem. J.* 368:263-271.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.