

Recombinant Human PPME1, His-tagged

Cat. No. PPME1-3601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PPME1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-386aa).
Species	Human
Source	E.coli
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.
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	MGSSHHHHHH SSGLVPRGSH MSALEKSMHL GRLPSRPPLP GSGGSQSGAK MRMGPGRKRD FSPVPWSQYF ESMEDVEVEN ETGKDTRVY KSGSEGPVLL

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LLHGGGHSAL SWAVFTAAII SRVQCRIVAL DLRSHGETKV KNPEDLSAET
 MAKDVGNVVE AMYGDLPPPI MLIGHSMGGA IAVHTASSNL VPSLLGLLCMI
 DVVEGTAMDA LNSMQNFLRG RPKTFKSLEN AIEWSVKSGQ IRNLESARVS
 MVGQVKQCEG ITSPEGSKI VEGIEEEEE DEEGSESISK RKKEDDMETK
 KDHPYTWRIE LAKTEKYWDG WFRGLSNLFL SCPIKLLLL AGVDRLDKDL
 TIGQMKGKFQ MQVLPQCGHA VHEDAPDKVA EAVATFLIRH RFAEPIGGFQ
 CVFPGC

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.

GENE INFORMATION

Gene Name [PPME1 protein phosphatase methylesterase 1 \[Homo sapiens \]](#)

Official Symbol PPME1

Synonyms

protein phosphatase methylesterase 1; PME-1; FLJ22226; PPME1; protein phosphatase methylesterase-1; EC=3.1.1.-; PP2593, PRO0750; OTTHUMP00000237973; OTTHUMP00000237974

Gene ID [51400](#)

mRNA Refseq [NM_016147](#)

Protein Refseq [NP_057231](#)

MIM [611117](#)

UniProt ID [Q9Y570](#)

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Chromosome Location	11q13.4
Function	carboxylesterase activity; hydrolase activity; protein C-terminal methylesterase activity; protein phosphatase 2A binding; protein phosphatase binding; protein phosphatase inhibitor activity; protein phosphatase type 2A regulator activity

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