

PPME1 recombinant protein

PPME1, 1-386aa, Human, His tag, E Coli

CATALOG # AAA11812	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

PPME1; 1-386aa; Human; His tag; E Coli; Protein phosphatase methylesterase 1; FLJ22226; PME-1; PPME1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MSALEKSMHL GRLPSRPPLP GSGGSQSGAK MRMGPGRKRD FSPVPWSQYF ESMEDVEVEN ETGKDTFRVY KSGSEGPVLL LLHGGGHSAL SWAVFTAII SRVQCRIVAL DLRSHGETKV KNPEDLSAET MAKDVGNVVE AMYGDLPPI MLIGHSMGGA IAVHTASSNL VPSLLGLCMI DVVEGTAMDA LNSMQNFLRG RPKTFKSLEN AIEWSVKSGQ IRNLESARVS MVGQVKQCEG ITSPEGSKSI VEGIIEEEE DEEGSESISK RKKEDDMETK KDHPYTWRIE LAKTEKYWDG WFRGLSNLFL SCPIPKLLLL AGVDRLDKDL TIGQMKGKFQ MQVLPQCGHA VHEDAPDKVA EAVATFLIRH RFAEPIGGFQ CVFPGC
Sequence Length	386
Applicable Applications for PPME1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-386aa
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for PPME1 recombinant protein

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.

Product Categories/Family for PPME1 recombinant protein	Signal Transduction
References	Ogris E. et al. (1999) J. Biol. Chem. 274: 14382-14391.; Gagnon S.N. et al. (2002) Biochem. J. 368:263-271.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706645
NCBI GeneID	51400
NCBI Accession #	NP_057231
NCBI GenBank Nucleotide #	NM_016147.2
UniProt Accession #	Q9Y570; Q8WYG8; Q9NVT5; Q9UI18; B3KMU6; B5MEE7; J3QT22
Molecular Weight	44.4 kDa (406aa), confirmed by MALDI-TOF
NCBI Official Full Name	protein phosphatase methylesterase 1 isoform a
NCBI Official Synonym Full Names	protein phosphatase methylesterase 1
NCBI Official Symbol	PPME1
NCBI Official Synonym Symbols	PME-1
NCBI Protein Information	protein phosphatase methylesterase 1
UniProt Protein Name	Protein phosphatase methylesterase 1
UniProt Gene Name	PPME1
UniProt Synonym Gene Names	PME1; PME-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ppme1-recombinant-protein-e-coli-sds-page/11812>