

# Pectinesterase PPME1 (PPME1), Recombinant Protein

Cat RP05398

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Species Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Pectinesterase PPME1 (PPME1)

## Product Gene Name

PPME1 recombinant protein

## Product Synonym Gene Name

PPME1

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

DDVTPIPEGK PQVAQWFNAN VGPLAQRKGL DPALVAAEAA PRIINVNPKG GEFKTLTDAI KSVPA GNTKR  
V I I K M A P G E Y K E K V T I D R N K P F I T L M G Q P N A M P V I T Y D G T A A K Y G T V D S A S L I I L S D Y F M A V N I V V K N T A  
P A P D G K T K G A Q A L S M R I S G N F A A F Y N C K F Y G F Q D T I C D D T G N H F F K D C Y V E G T F D F I F G S G T S M Y L G T Q L  
H V V G D G I R V I A A H A G K S A E E K S G Y S F V H C K V T G T G G G I Y L G R A W M S H P K V V Y A Y T E M T S V V N P T G W Q E N K  
T P A H D K T V F Y G E Y K C S G P G S H K A K R V P F T Q D I D D K E A N R F L S L G Y I Q G S K W L L P P P A L

## Sequence Positions

24-361, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

39,142 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Pectinesterase

## NCBI Accession #

NP\_177152.2

## NCBI GI #

30697951

## NCBI GenBank Nucleotide #

NM\_105663.5

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat      *RP05398*

Size      0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg  
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg  
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-  
Cell)

## NCBI GeneID

843331

## NCBI Official Full Name

Pectin lyase-like superfamily protein

## NCBI Official Symbol

PPME1

## NCBI Official Synonym Symbols

ATPPME1; T17F3.3; T17F3\_3

## NCBI Protein Information

Pectin lyase-like superfamily protein

## NCBI Summary

Encodes a protein with pectin methylesterase activity. The protein expression was shown to be highly restricted to the pollen grain (no detection in any other tissues or in the pollen grains' surrounding cells of the anthers).

## UniProt Gene Name

PPME1

## UniProt Synonym Gene Names

ARATH9; AtPPME1; PE PPME1; AtPME9

## UniProt Protein Name

Pectinesterase PPME1

## UniProt Synonym Protein Names

Pectin methylesterase 9; AtPME9; Pectin methylesterase PPME1; Protein POLLEN SPECIFIC PME 1

## UniProt Primary Accession #

Q84WM7

## UniProt Secondary Accession #

Q9CAS7

## UniProt Related Accession #

Q84WM7

## UniProt Comments

Acts in the modification of cell walls via demethylesterification of cell wall pectin. Involved in the pollen tube growth and determination of pollen tube morphology.

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