

# Probable pectinesterase 56 (PME56), Recombinant Protein

Cat RP05287

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 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 Probable pectinesterase 56 (PME56)

## Product Gene Name

PME56 recombinant protein

## Product Synonym Gene Name

PME56

## Purity

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

## Sequence

PPASLISTPD QALKDKADLI VAKDGSGNFT TVNEAVAAAP ENGVKPFVIY IKEGLYKEVI RIGKKKTNLT  
LVGDGRDLTV LSGDLNGVDG IKTFDSATLA VDESGFMAQD LCIRNTAGPE KRQAVLRIS TDMTIIYRCR  
IDAYQDTLYA YSGRQFYRDC YITGTVDFIF GRAAAVFQYC QIEARKPGIG QTNILTAQSR EEDTATSGFS  
FQKCNISASS DLTPIKGTVK TFLGRPWFRAF SRVVFMESFI DDVIDRAGWT P

## Sequence Positions

28-288, 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

31,400 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

Probable pectinesterase

## NCBI Accession #

NP\_172604.1

## NCBI GI #

15220357

## NCBI GenBank Nucleotide #

NM\_101010.2

## NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat      *RP05287*

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

837679 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg

(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

## NCBI Official Full Name

Pectin lyase-like superfamily protein

## NCBI Official Symbol

AT1G11370

## NCBI Official Synonym Symbols

T23J18.3; T23J18\_3

## NCBI Protein Information

Pectin lyase-like superfamily protein

## UniProt Gene Name

PME56

## UniProt Synonym Gene Names

ARATH56; PE 56; AtPME56

## UniProt Protein Name

Probable pectinesterase 56

## UniProt Synonym Protein Names

Pectin methylesterase 56; AtPME56

## UniProt Primary Accession #

Q4PT34

## UniProt Secondary Accession #

Q9LPZ8

## UniProt Related Accession #

Q4PT34

## UniProt Comments

Acts in the modification of cell walls via demethylesterification of cell wall pectin.

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