

# Pectinesterase inhibitor 2 (PMEI2), Recombinant Protein

Cat RP05074

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)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 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 inhibitor 2 (PMEI2)

## Product Gene Name

PMEI2 recombinant protein

## Product Synonym Gene Name

PMEI2

## Purity

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

## Sequence

QVADIKAI CG KAKNQSFCTS YMKSNPKTSG ADLQTLANIT FGSAQTSASE GFRKIQSLVK TATNPTMKKA  
YTSCVQHYKS AISSLNDAKQ SLASGDGKGL NIKVSAAMEG PSTCEQDMAD FKVDPSAVKN SGDFQNICGI  
VLVISNMM

## Sequence Positions

26-173, 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

18,367 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 inhibitor

## NCBI Accession #

NP\_188348.1

## NCBI GI #

15228996

## NCBI GenBank Nucleotide #

NM\_112599.2

## NCBI GeneID

820981

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat      *RP05074*

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)/ 1

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

## NCBI Official Full Name

pectin methylesterase inhibitor 2

## NCBI Official Symbol

PMEI2

## NCBI Official Synonym Symbols

ATPMEI2; pectin methylesterase inhibitor 2

## NCBI Protein Information

pectin methylesterase inhibitor 2

## NCBI Summary

Pectin methylesterase inhibitor AtPMEI2. Inactivates AtPPME1 in vitro. Localized to Brefeldin A-induced compartments, and was found in FYVE-induced endosomal aggregates.

## UniProt Gene Name

PMEI2

## UniProt Synonym Gene Names

AtPMEI2

## UniProt Protein Name

Pectinesterase inhibitor 2

## UniProt Synonym Protein Names

Pectin methylesterase inhibitor 2

## UniProt Primary Accession #

Q9LUV1

## UniProt Related Accession #

Q9LUV1

## UniProt Comments

Inhibits pectin methylesterase (PME) from flowers, siliques and pollen tube.

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