

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

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

QVADIKAICG KAKNQSFCTS YMKSNPKTSG ADLQTLANIT FGSAQTSASE GFRKIQLVK 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 GenelD

820981

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
pectin methylesterase inhibitor 2

NCBI Official Full Name

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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