

Pectinesterase 1 (PME1.9), Recombinant Protein

Cat *RP15335*

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 Solanum lycopersicum (Tomato) (Lycopersicon esculentum)

Full Product Name

Recombinant Solanum lycopersicum Pectinesterase 1 (PME1.9)

Product Gene Name

PME1.9 recombinant protein

Purity

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

Sequence

IIANAVVAQD GTGDYQTLAE AVAAAPDKSK TRYVIYVKRG TYKENVEVAS NKMNLMIVGD GMYATTITGS
LNVVDGSTTF RSATLAAVGQ GFILQDICIQ NTAGPAKDQA VALRVGADMS VINRCRIDAY QDTLYAHSQR
QFYRDSYVTG TVDFIFGNAA VVFQKCQLVA RKPGKYQQNM VTAQGRTDPN QATGTSIQFC NIIASSDLEP
VLKEFPTYLG RPWKEYSRTV VMESYLGGLI NPAGWAEWDG DFALKTLYYG EFMNNGPGAG TSKRVKWPGY
HVITDPAKAM PFTVAKLIQG GSWLRSTGVA YVDGLYD

Sequence Positions

230-546, 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

60,066 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_001234151.1

NCBI GI

350539493

NCBI GenBank Nucleotide

NM_001247222.2

NCBI GeneID

544090

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(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 Official Full Name

pectinesterase 1

NCBI Official Symbol

PE1

NCBI Official Synonym Symbols

PE 1; LePME1; PME1.9

NCBI Protein Information

pectinesterase 1

UniProt Gene Name

PME1.9

UniProt Synonym Gene Names

PE 1

UniProt Protein Name

Pectinesterase 1

UniProt Synonym Protein Names

Pectin methylesterase 1

UniProt Primary Accession

P14280

UniProt Secondary Accession

Q43145

UniProt Related Accession

P14280

UniProt Comments

Pectinesterase may play a role in cell wall metabolism during fruit growth and development prior to ripening and may be required for preparing cell walls for softening by polygalacturonase during fruit ripening.

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