

Probable pectate lyase 13 (PMR6), Recombinant Protein

Cat *RP02077*

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

Full Product Name

Recombinant Arabidopsis thaliana Probable pectate lyase 13 (PMR6)

Product Gene Name

PMR6 recombinant protein

Product Synonym Gene Name

PMR6

Purity

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

Sequence

TKPLNLTLP H QHPSPDSVAL HVIRSVNESL ARRQLSSPSS SSSSSSSSSS SSCRTGNPID DCWRCSDADW
STNRQRLADC SIGFGHGT LG GKNGKIYVVT DSSDNNPTNP TPGTLRYGVI QEEPLWIVFS SNMLIRLKQE
LIINSYKTLD GRGSAVHITG NGCLTLQYVQ HIIHNLHIY DCKPSAGFEK RGRSDGDGIS IFGSQKIWVD
HCSMSHCTDG LIDAVMGSTA ITISNNYFTH HDEVMLLGHD DNYAPDTGMQ VTIAFNHFGQ GLVQRMPCR
RGYIHVVNND FTEWKMYAIG GSGNPTINSQ GNRYAPSADP SAKEVTKRVD SKDDGEWSNW NWRTEGDLME
NGAFFVASGE GMSSMYSKAS SVDPKAASLV DQLTRNAGVF GGPRDDQGQS GNSYSPYGGD
GGGGSSSGS SGGGMDVMGG TTRGSSSSSG DDSNVFQMIF GS

Sequence Positions

23-474, 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

53,929 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 pectate lyase

NCBI Accession

NP_191052.2

NCBI GI

22331796

NCBI GenBank Nucleotide

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)/ 0.1 mg (Mammalian-Cell)/ 1

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

NCBI GeneID

824657

NCBI Official Full Name

Pectin lyase-like superfamily protein

NCBI Official Symbol

PMR6

NCBI Official Synonym Symbols

powdery mildew resistant 6

NCBI Protein Information

Pectin lyase-like superfamily protein

NCBI Summary

Powdery mildew resistant mutant encodes a pectate lyase-like protein

UniProt Gene Name

PMR6

UniProt Protein Name

Probable pectate lyase 13

UniProt Synonym Protein Names

Powdery mildew susceptibility protein; Powdery mildew-resistant mutant 6

UniProt Primary Accession

Q93Z04

UniProt Secondary Accession

Q9SV40

UniProt Related Accession

Q93Z04

UniProt Comments

Susceptibility factor required for infection by most powdery mildews, but not by unrelated pathogens. Exact function not known, but clearly affects cell wall composition.

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