

Putative pectinesterase/pectinesterase inhibitor 28 (PME28), Recombinant Protein

Cat *RP05136*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Putative pectinesterase/pectinesterase inhibitor 28 (PME28)

Product Gene Name

PME28 recombinant protein

Product Synonym Gene Name

ARATH28

Purity

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

Sequence

MSYGYDDEDA KRKKRYVIIS ISSVLLISMV VAVTIGVSVN KSDNAGDEEI TTSVKAIKDV CAPTDYKETC
EDTLRKDAKD TSDPLELVKT AFNATMKQIS DVAKKSQTM ELQKDPRAKM ALDQCKELMD YAIGELSKSF
EELGKFEFHK VDEALVKLRI WLSATISHEQ TCLDGFQGTQ GNAGETIKKA LKTAVQLTHN GLAMVTEMSN
YLGQMQUIPEM NSRRLLSQEF PSWMDARARR LLNAPMSEVK PDIVVAQDGS GQYKTINEAL NFVPPKKKNTT
FVVHIKEGIY KEYVQVNRSM THLVFIGDGP DKTVISGSKS YKDGITTYKT ATVAIVGDHF IAKNIAFENT
AGAIKHQAVA IRVLADESIF YNCKFDGYQD TLYAHSHRQF YRDCTISGTI DFLFGDAAAV FQNCTLLVRK
PLLNQACPIT AHGRKDPRES TGFVLQGCTI VGEPTYLAVK EQSKTYLGRP WKEYSRTIIM NTFIPDFVPP
EGWQPWLGEF GLNTLFYSEV QNTGPGAAIT KRVTWPGIKK LSDEEILKFT PAQYIQGDAW IPGKGVPYIL
GLFSGNGSTN STVTGSSLSS NTESSDSPS TVVTPSTSP AGHLGSPSDT PSSVSPSTS LPAGQLGAPP
ATPSMVVSPS TSPAGHLGS PSDTPSSLVS PSTSPAGHL GSPSDTPSSV VTPSASPSTS PSASPSVSPS
AFPSASPSAS PSASPSVSPS ASPSASPQSS IG

Sequence Positions

1-732aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

78,477 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

Putative pectinesterase/pectinesterase inhibitor

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Putative pectinesterase/pectinesterase inhibitor 28 (PME28), Recombinant Protein

Cat *RP05136*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

NCBI Accession

NP_198139.1

NCBI GI

15241079

NCBI GenBank Nucleotide

NM_122669.1

NCBI GeneID

832850

NCBI Official Full Name

putative pectinesterase/pectinesterase inhibitor 28

NCBI Official Symbol

AT5G27870

NCBI Official Synonym Symbols

F14I23.30; F14I23_30

NCBI Protein Information

putative pectinesterase/pectinesterase inhibitor 28

UniProt Gene Name

PME28

UniProt Synonym Gene Names

ARATH28; PE 28; AtPME28

UniProt Protein Name

Putative pectinesterase/pectinesterase inhibitor 28

UniProt Synonym Protein Names

Pectinesterase inhibitor 28Alternative name(s):Pectin methylesterase inhibitor 28

UniProt Entry Name

PME28_ARATH

UniProt Primary Accession

Q3E8Z8

UniProt Related Accession

Q3E8Z8

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Putative pectinesterase/pectinesterase inhibitor 28 (PME28), Recombinant Protein

Cat *RP05136*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

UniProt Comments

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

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY
