Polygalacturonase QRT3 (QRT3) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polygalacturonase QRT3 (QRT3), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Polygalacturonase QRT3 (QRT3)
Product Gene Name	QRT3 recombinant protein
Sequence	EKDSGSMSPH DRALAEMQAL KASLVRRNLP ALVSPPPTPP QAVPGPRVYQ VISYGADPTG KLDSTDAILK AMEEAFDGPN HGVLMQGIND LGGARIDLQG GSYLISRPLR FPSAGAGNLL ISGGTLRASN DFPVDRYLIE LKDESSKLQY IFEYITLRDL LIDCNYRGGA IAVINSLRTS IDNCYITRFG DTNGILVKSG HETYIRNSFL GQHITAGGDR GERSFSGTAI NLMGNDNAVT DTVIFSARIG VMVSGQANLL SGVHCYNKAT GFGGTGIYLR LPGLTQNRIV NSYLDYTGIV AEDPVQLQIS GTFFLGDAFI LLKSIAGYIR GVSIVDNMFS GSGHGVQIVQ LDQRNTAFDD VGQVVVDRNS VNGMVEKSTV ARGSVDGNGT SWTVDFNPVL LFPDLINHVQ YTLVASEAGV FPLHALRNVS DNRVVVETNA PVTGTVYVTV NQGV
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	51,659 Da
Sequence Positions	28-481, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for O49432
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for QRT3 recombinant protein	MBS1215616 is a recombinant protein targeting QRT3. Also known as Recombinant Arabidopsis thaliana Polygalacturonase QRT3 (QRT3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of QRT3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for QRT3. It may not necessarily be applicable to this product.

NCBI GI #	145333456
NCBI GeneID	827750
NCBI Accession #	NP_001078410.1
UniProt Primary Accession #	O49432
UniProt Related Accession #	O49432

GenBank Nucleotide #	NM_001084941.2
NCBI Official Full Name	Pectin lyase-like superfamily protein
NCBI Official Symbol	QRT3
NCBI Official Synonym Symbols	F18F4.150; F18F4_150; QUARTET 3
UniProt Protein Name	Polygalacturonase QRT3
UniProt Synonym Protein Names	Pectinase QRT3; Protein QUARTET 3
Protein Family	Polygalacturonase
UniProt Gene Name	QRT3
UniProt Synonym Gene Names	AtQRT3; PG QRT3
NCBI Protein Information	Pectin lyase-like superfamily protein
NCBI Summary for QRT3	Encodes a polygalacturonase that plays a direct role in degrading the pollen mother cell wall during microspore development.
UniProt Comments for QRT3	Polygalacturonase required for degrading the pollen mother cell wall during microspore development.
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