

Probable xyloglucan endotransglucosylase/hydrolase protein 32 (XTH32), Recombinant Protein

Cat *RP05151*

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 Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Probable xyloglucan endotransglucosylase/hydrolase protein 32 (XTH32)

Product Gene Name

XTH32 recombinant protein

Product Synonym Gene Name

XTH32

Purity

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

Sequence

YWPPSPGYWP SSKVGSLNFY KGFRNLWGPQ HQRMDQNALT IWLDRSGSG FKSVPFRSG YFGANIKLQP
GYTAGVITSL YLSNNEAHPG FHDEVDFEFL GTTFGKPYTL QTNVYIRGSG DGKIIGREMK FRLWFDPTKD
FHHYAILWSP REIIFLVDDI PIRRYPKKSA STFPLRPMWL YGSIWDASSW ATEDGKYKAD YKYQPFTAKY
TNFKALGCTA YSSARCYPLS ASPYRSGGLT RQQHQAMRWV QTHSMVYNYC KDYKRDHSLT PECWR

Sequence Positions

25-299, 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

34,482 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 xyloglucan endotransglucosylase/hydrolase protein

NCBI Accession

NP_181224.1

NCBI GI

15228047

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

NCBI GenBank Nucleotide

NM_129242.3

NCBI GeneID

818259

NCBI Official Full Name

xyloglucan endotransglucosylase/hydrolase 32

NCBI Official Symbol

XTH32

NCBI Official Synonym Symbols

AtXTH32; T1J8.5; T1J8_5; xyloglucan endotransglucosylase/hydrolase 32

NCBI Protein Information

xyloglucan endotransglucosylase/hydrolase 32

NCBI Summary

Encodes a xyloglucan endotransglycosylase/hydrolase.

UniProt Gene Name

XTH32

UniProt Synonym Gene Names

At-XTH32; XTH-32

UniProt Protein Name

Probable xyloglucan endotransglucosylase/hydrolase protein 32

UniProt Primary Accession

Q9SJL9

UniProt Related Accession

Q9SJL9

UniProt Comments

Catalyzes xyloglucan endohydrolysis (XEH) and/or endotransglycosylation (XET). Cleaves and religates xyloglucan polymers, an essential constituent of the primary cell wall, and thereby participates in cell wall construction of growing tissues .

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