

Non-specific lipid-transfer protein 12 (LTP12), Recombinant Protein



Cat RP04796

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

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

Full Product Name

Recombinant Arabidopsis thaliana Non-specific lipid-transfer protein 12 (LTP12)

Product Gene Name

LTP12 recombinant protein

Product Synonym Gene Name

LTP12

Purity

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

Sequence

TIQCGTVTST LAQCLTYLTN SGPLPSQCCV GVKSLYQLAQ TTPDRKQVCE CLKLAGKEIK GLNTDLVAAL
PTTCGVSI PY PISFSTNCDS ISTAV

Sequence Positions

25-119, 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

12,572 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

Non-specific lipid-transfer protein

NCBI Accession

NP_190727.1

NCBI GI

15230531

NCBI GenBank Nucleotide

NM_115018.3

NCBI GenID

824322

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

NCBI Official Full Name
(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-lipid transfer protein 12 Cell)

NCBI Official Symbol

LTP12

NCBI Official Synonym Symbols

lipid transfer protein 12; T18N14.1

NCBI Protein Information

lipid transfer protein 12

NCBI Summary

Encodes a member of the lipid transfer protein family. Proteins of this family are generally small (~9 kD), basic, expressed abundantly and contain eight Cys residues. The proteins can bind fatty acids and acylCoA esters and can transfer several different phospholipids. They are localized to the cell wall. The LTP12 promoter is active exclusively in the tapetum during the uninucleate microspore and bicellular pollen stages. Predicted to be a member of PR-14 pathogenesis-related protein family with the following members: At2g38540/LTP1, At2g38530/LTP2, At5g59320/LTP3, At5g59310/LTP4, At3g51600/LTP5, At3g08770/LTP6, At2g15050/LTP7, At2g18370/LTP8, At2g15325/LTP9, At5g01870/LTP10, At4g33355/LTP11, At3g51590/LTP12, At5g44265/LTP13, At5g62065/LTP14, At4g08530/LTP15.

UniProt Gene Name

LTP12

UniProt Synonym Gene Names

LTP 12

UniProt Protein Name

Non-specific lipid-transfer protein 12

UniProt Primary Accession

Q9SCZ0

UniProt Secondary Accession

Q8LBC1; A0MF21

UniProt Related Accession

Q9SCZ0

UniProt Comments

Plant non-specific lipid-transfer proteins transfer phospholipids as well as galactolipids across membranes. May play a role in wax or cutin deposition in the cell walls of expanding epidermal cells and certain secretory tissues .

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