

# 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  
PTTCGVSIPY 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 GeneID

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

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

## NCBI Official Full Name

lipid transfer protein 12

## 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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