

# Putative non-specific lipid-transfer protein 14 (LTP14), Recombinant Protein

Cat RP05467

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-Arabidopsis thaliana (Mouse-ear cress) Cell)

## Full Product Name

Recombinant Arabidopsis thaliana Putative non-specific lipid-transfer protein 14 (LTP14)

## Product Gene Name

LTP14 recombinant protein

## Product Synonym Gene Name

LTP14

## Purity

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

## Sequence

TVENAADCAA VGTLISSCTE FVNYGYDPDI PGSSCCDAMT VIGTYSDSSE KRKWLNCNCFM DLINVYNSNA  
TAISTLSGFC GVVLGFTIDP NTDCNFIQ

## Sequence Positions

23-120, 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

12,854 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

Putative non-specific lipid-transfer protein

## NCBI Accession #

NP\_001078780.1

## NCBI GI #

145334869

## NCBI GenBank Nucleotide #

NM\_001085311.2

## NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

# Putative non-specific lipid-transfer protein 14 (LTP14), Recombinant Protein

Cat      *RP05467*

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

5008322 (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg

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

Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein

## NCBI Official Symbol

AT5G62065

## NCBI Protein Information

Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein

## NCBI Summary

Encodes a Protease inhibitor/seed storage/LTP family protein. Predicted to encode a PR (pathogenesis-related) protein. Belongs to the lipid transfer protein (PR-14) 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

LTP14

## UniProt Synonym Gene Names

LTP 14

## UniProt Protein Name

Putative non-specific lipid-transfer protein 14

## UniProt Primary Accession #

Q9FIT2

## UniProt Related Accession #

Q9FIT2

## 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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