

# Cyclotide cter-P, Recombinant Protein

Cat RP17985

Size 0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.2 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.5 mg (E-Coli)/ 0.2 mg (Yeast)/ 0.1 mg

**Species** (Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 0.5 mg (Yeast)/ 1 mg (E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg Clitoria ternatea (Butterfly pea) (Yeast)/ 1 mg (B

## Full Product Name

Recombinant Clitoria ternatea Cyclotide cter-P

## Product Synonym Names

Recombinant Cyclotide cter-P; Cyclotide cter-P

## Purity

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

## Sequence

GIPCGESCVF IPCITAAIGC SCKSKVCYRN

## Sequence Positions

1-30aa; Cytoplasmic domain

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

3,124 Da

## Storage

Store at -20°C. For extended storage, store at -20 or -80°C.

## Protein Family

Cyclotide

## NCBI Accession #

P86902.1

## NCBI GI #

347602404

## NCBI Official Full Name

Cyclotide cter-P

## UniProt Protein Name

Cyclotide cter-P

## UniProt Entry Name

CYCP\_CLITE

## UniProt Primary Accession #

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# Cyclotide cter-P, Recombinant Protein

Cat *RP17985*

Size *0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.2 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.5 mg (E-Coli)/ 0.2 mg (Yeast)/ 0.1 mg*

P86902 *(Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 0.5 mg (Yeast)/ 1 mg (E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (B*

## UniProt Comments

Function: Probably participates in a plant defense mechanism

By similarity. UniProtKB P86899

Subcellular location: Secreted

By similarity UniProtKB P86899.

Domain: The presence of a 'disulfide through disulfide knot' structurally defines this protein as a knottin

By similarity. UniProtKB P86899

Post-translational modification: This is a cyclic peptide.

Sequence similarities: Belongs to the cyclotide family. Bracelet subfamily.

Mass spectrometry: Molecular mass is 3097.43 Da from positions 1 - 30. Determined by MALDI.

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