

Defensin D5, Recombinant Protein

Cat RP19681

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 (Yeast)/ 1 mg (Baculovirus)

Full Product Name

Recombinant Spinacia oleracea Defensin D5

Product Synonym Names

Recombinant Defensin D5; Defensin D5; Antimicrobial peptide D5 So-D5

Purity

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

Sequence

MFFSSKCKT VXKTRGPCV RNAN

Sequence Positions

1-24aa; 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

2,762 Da

Storage

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

Protein Family

Defensin

NCBI Accession

P81568.1

NCBI GI

26393016

NCBI Official Full Name

Defensin D5

UniProt Protein Name

Defensin D5

UniProt Synonym Protein Names

Antimicrobial peptide D5; So-D5

UniProt Entry Name

DEFD5_SPIOL

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Primary Accession #
P81568 (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: Antimicrobial peptide. Active against Fusarium spp., Gram-positive and Gram-negative bacterial pathogens.

Subcellular location: Secreted › cell wall.

Tissue specificity: Distributed in the epidermal cell layer of leaves and in the subepidermal layer region of stems. Not in roots.

Developmental stage: Present throughout the life of the leaf.

Sequence similarities: Belongs to the DEFL family. Group IV subfamily.

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