

## Flower-specific defensin (D1) Recombinant Protein | D1 recombinant protein

Recombinant Nicotiana alata Flower-specific defensin (D1)

CATALOG #  
AAA116683

HOST  
E Coli or Yeast or Baculovirus or Mammalian Cell

### PRODUCT SYNONYMS

Flower-specific defensin (D1); Recombinant Nicotiana alata Flower-specific defensin (D1); Flower-specific defensin; NaD1; D1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                    |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                           |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                    |
| Sequence Positions      | 26-72. Full Length of Mature Protein                                                                                                                                                                |
| Sequence                | RECKTESNTF PGICITKPPC RKACISEKFT DGHCSKILRR CLCTKPC                                                                                                                                                 |
| Species                 | Nicotiana alata (Winged tobacco) (Persian tobacco)                                                                                                                                                  |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |

### ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                    |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for D1 recombinant protein | Plant defense peptide with antifungal activity against F.oxysporum and B.cinerea. Retards the growth of the Lepidopteran insect pests H.armigera and H.punctigera. |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                         |                          |
|-------------------------|--------------------------|
| NCBI GI #               | 44887844                 |
| UniProt Accession #     | Q8GTM0                   |
| Molecular Weight        | 21.3 kDa                 |
| NCBI Official Full Name | Flower-specific defensin |
| UniProt Protein Name    | Flower-specific defensin |
| UniProt Gene Name       | D1                       |
| UniProt Entry Name      | DEF_NICAL                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.