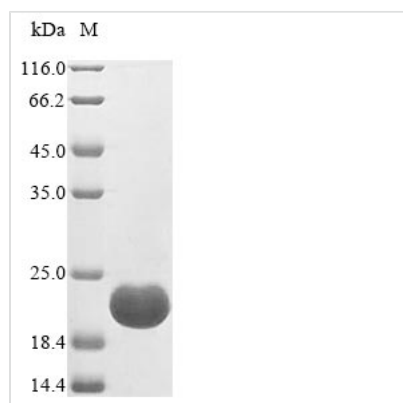




Recombinant Nicotiana alata Flower-specific defensin (D1)

Product Code	CSB-EP814081NDF
Relevance	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.
Abbreviation	Recombinant Nicotiana alata Flower-specific defensin protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8GTM0
Product Type	Recombinant Protein
Immunogen Species	Nicotiana alata (Winged tobacco) (Persian tobacco)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	RECKTESNTFPGICITKPPCRKACISEKFTDGHCSKILRRCLCTKPC
Research Area	others
Source	E.coli
Target Names	D1
Protein Names	NaD1
Expression Region	26-72aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	21.3 kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.