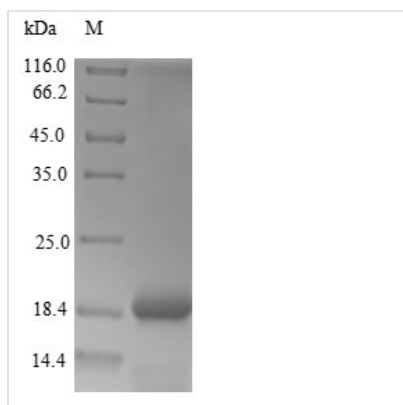




Recombinant *Dahlia merckii* Defensin-like protein

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Product Code	CSB-EP316614DAE
Relevance	Possesses antimicrobial activity sensitive to inorganic cations. Has no inhibitory effect on insect gut alpha-amylase. Induces potential changes in fungal membranes and increased K ⁺ efflux and Ca ²⁺ uptake. Interacts with sphingolipids and ergosterols found in fungal plasma membranes.
Abbreviation	Recombinant <i>Dahlia merckii</i> Defensin-like protein 1 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.	P0C8Y4
Alias	Cysteine-rich antimicrobial protein 1 Defensin AMP1
Product Type	Recombinant Protein
Immunogen Species	<i>Dahlia merckii</i> (Bedding dahlia)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ELCEKASKTWSGNCGNTGHCDNQCKSWEGAAHGACHVRNGKHMCFYFNC
Research Area	others
Source	E.coli
Protein Names	Recommended name: Defensin-like protein 1 Alternative name(s): Cysteine-rich antimicrobial protein 1 Defensin AMP1 Short name= DmAMP1
Expression Region	1-50aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-B2M-tagged
Mol. Weight	19.5kDa
Protein Length	Full Length
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.