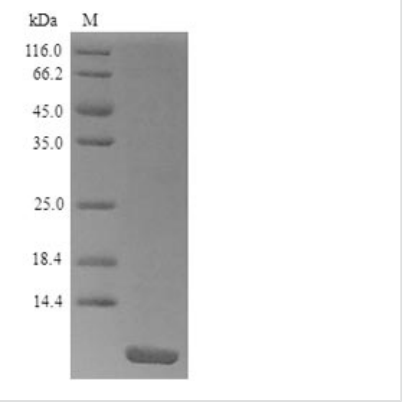
Recombinant Pandinus impeRator Pandinin-2

Product Code	CSB-YP306050PAU
Relevance	Disrupts cell membranes through formation of pores. Has strong antimicrobial activity against Gram-positive bacteria B.subtilis, S.epidermidis, E.faecalis and S.aureus. Is less active against Gram-negative bacteria P.aeruginosa and E.coli. Also increases efficacy of antibiotics (ampicillin, chloramphenicol, streptomycin, kanamycin, novobiocin) when tested against E.coli, probably by facilitating their incorporation into the bacteria. Possesses antifungal activity against C.albicans and hemolytic activity against human, sheep and pig erythrocytes.
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.	P83240
Alias	Non-disulfide-bridged peptide 3.1 Short name: NDBP-3.1 Non-disulfide-bridged peptide 4.1 Short name: NDBP-4.1
Product Type	Recombinant Protein
Immunogen Species	Pandinus imperator (Emperor scorpion)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	FWGALAKGALKLIPSLFSSFSKKD
Lead Time	Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.
Research Area	Others
Source	Yeast
Protein Names	Recommended name: Pandinin-2 Short name= Pin2 Alternative name(s): Non-disulfide-bridged peptide 4.1 Short name= NDBP-4.1
Expression Region	1-24aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	4.6kDa
Protein Description	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.