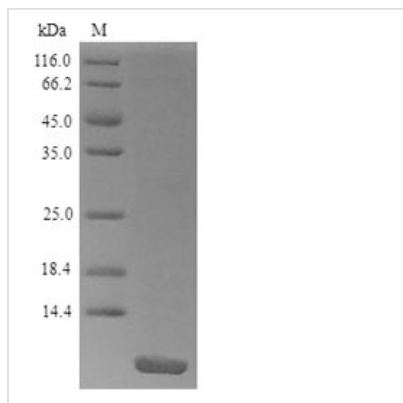




# Recombinant Pandinus impeRator Pandinin-2

<b>Product Code</b>	CSB-YP306050PAU
<b>Relevance</b>	Disrupts cell membranes through formation of pores. Has strong antimicrobial activity against Gram-positive bacteria <i>B.subtilis</i> , <i>S.epidermidis</i> , <i>E.faecalis</i> and <i>S.aureus</i> . Is less active against Gram-negative bacteria <i>P.aeruginosa</i> and <i>E.coli</i> . Also increases efficacy of antibiotics (ampicillin, chloramphenicol, streptomycin, kanamycin, novobiocin) when tested against <i>E.coli</i> , probably by facilitating their incorporation into the bacteria. Possesses antifungal activity against <i>C.albicans</i> and hemolytic activity against human, sheep and pig erythrocytes.
<b>Abbreviation</b>	Recombinant Pandinus impeRator Pandinin-2 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P83240
<b>Alias</b>	Non-disulfide-bridged peptide 3.1 Short name: NDBP-3.1 Non-disulfide-bridged peptide 4.1 Short name: NDBP-4.1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Pandinus imperator (Emperor scorpion)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	FWGALAKGALKLIPSLFSSFSKGD
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Protein Names</b>	Recommended name: Pandinin-2 Short name= Pin2 Alternative name(s): Non-disulfide-bridged peptide 4.1 Short name= NDBP-4.1
<b>Expression Region</b>	1-24aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	4.6kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(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

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