

Pandinus imperator Pandinin-2 Recombinant Protein | Pin2 recombinant protein

Recombinant Pandinus imperator Pandinin-2

CATALOG # AAA115540	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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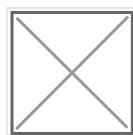
PRODUCT SYNONYMS

Pandinus imperator Pandinin-2; Recombinant Pandinus imperator Pandinin-2; Non-disulfide-bridged peptide 3.1; NDBP-3.1; Non-disulfide-bridged peptide 4.1; NDBP-4.1; Pin2 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	1-24aa; Cytoplasmic domain
Sequence	FWGALAKGAL KLIPSLFSSF SKKD
Sequence Length	24
Species	Pandinus imperator (Emperor scorpion)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Pin2 recombinant protein	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.
References	"Characterization of unique amphipathic antimicrobial peptides from venom of the scorpion <i>Pandinus imperator</i> ." Corzo G., Escoubas P., Villegas E., Barnham K.J., He W., Norton R.S., Nakajima T. <i>Biochem. J.</i> 359:35-45(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	25453144
UniProt Accession #	P83240
Molecular Weight	4.6 kDa
NCBI Official Full Name	Pandinin-2

UniProt Protein Name	Pandinin-2
UniProt Gene Name	NDBP-4.1
UniProt Synonym Gene Names	NDBP-4.1
UniProt Entry Name	NDB31_PANIM

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.

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Online datasheet: <https://stage.aaabiotech.com/ndbp-4-1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115540>