

Recombinant Chinese cobra Cytotoxin 1 protein, His

Catalog Number: bs-49194P

Concentration: >0.5 mg/ml

AA Seq: 22-81/81

Predicted MW: 22.2

Detected MW: 27 kDa

Tags: His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

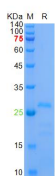
Form: Lyophilized or Liquid

Storage: 20mM Tris-HCl (pH8.0) with 0.25mM NaCl.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Basic protein that binds to cell membrane and depolarizes cardiomyocytes. It also shows lytic activities on many other cells, including red blood cells. Interaction with sulfatides in the cell membrane induces pore formation and cell internalization and is responsible for cytotoxicity in cardiomyocytes. It targets the mitochondrial membrane and induces mitochondrial swelling and fragmentation (By similarity). It binds to the integrin alpha-V/beta-3 (ITGAV/ITGB3) with a moderate affinity and inhibits protein kinases C (PubMed:8448165). It also binds with high affinity to heparin (PubMed:17685633).

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.



The purity of the protein is greater than 51% as determined by reducing SDS-PAGE.