

Cytotoxin 4 Recombinant Protein | CTX IV recombinant protein

Recombinant Naja atra (Chinese cobra) Cytotoxin 4

CATALOG # AAA114439	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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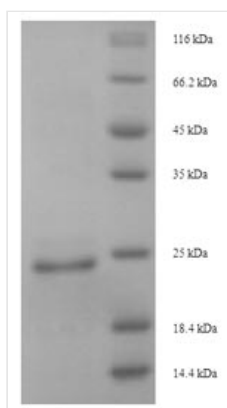
PRODUCT SYNONYMS

Cytotoxin 4; Recombinant Naja atra (Chinese cobra) Cytotoxin 4; Cardiotoxin A4; CTX A4; Cardiotoxin analog IV; CTX IV 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	22-81aa; Full Length
Sequence	RKCNKLVLPLF YKTCYPAGKNL CYKMFVSNL TVPVKRGCID VCPKNSALVK YVCCNTDRCN
Sequence Length	81
Species	Naja atra (Chinese cobra)
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 CTX IV recombinant protein	Basic protein that bind to cell membrane and depolarizes cardiomyocytes. This cytotoxin also shows lytic activities, but 2-fold more important than that of CTX-A2. It binds to the integrin alpha-V/beta-3 with a moderate affinity. Inhibits protein kinase C. It may interact with sulfatides in the cell membrane, which induces pore formation and cell internalization and is responsible for cytotoxicity in cardiomyocytes. It also may target the mitochondrial membrane and induces mitochondrial swelling and fragmentation.
References	"Genomic structures of cardiotoxin 4 and cobrotoxin from Naja naja atra (Taiwan cobra)." Chang L.-S., Lin J., Chou Y.-C., Hong E. Biochem. Biophys. Res. Commun. 239:756-762(1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2851458
UniProt Accession #	P01443
Molecular Weight	22.8 kDa
NCBI Official Full Name	Cytotoxin 4
UniProt Protein Name	Cytotoxin 4
UniProt Gene Name	CTX IV
UniProt Synonym Gene Names	CTX IV
UniProt Entry Name	3SA4_NAJAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ctx-iv-recombinant-protein-e-coli/114439>