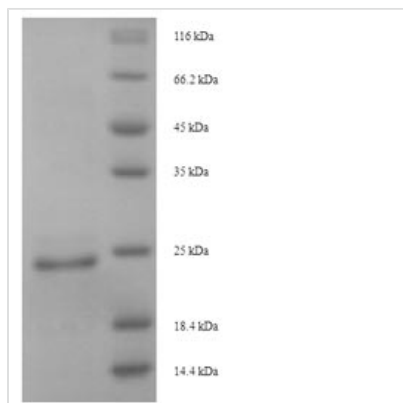




Recombinant Naja atra Cytotoxin 4

Product Code	CSB-EP355645NFG
Relevance	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.
Abbreviation	Recombinant Naja atra Cytotoxin 4 protein
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.	P01443
Alias	Cardiotoxin A4 Short name: CTX A4 Cardiotoxin analog IV Short name: CTX IV
Product Type	Recombinant Protein
Immunogen Species	Naja atra (Chinese cobra)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	RKCNKLVPLFYKTCFAGKNLCYKMFVSNLTVPVKRGCIDVCPKNSALVKYVC CNTDRCN
Research Area	Others
Source	E.coli
Expression Region	22-81aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	22.8kDa
Protein Length	Full Length of Mature Protein
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.

Shelf Life

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.