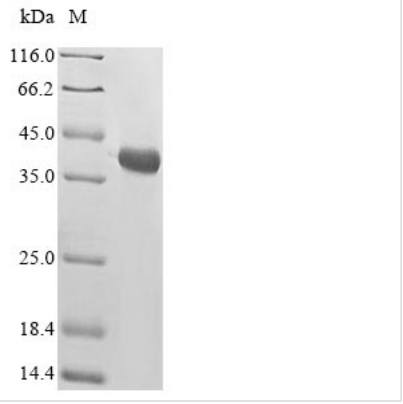
Recombinant Bungarus multicinctus Alpha-bungarotoxin isoform A31

Product Code	CSB-EP350255BXN
Relevance	Binds with high affinity to muscular (alpha-1/CHRNA1) and neuronal (alpha-7/CHRNA7) nicotinic acetylcholine receptor (nAChR) and inhibits acetylcholine from binding to the receptor, thereby impairing neuromuscular and neuronal transmission. Blocks the extracellular increase of dopamine evoked by nicotine only at the higher dose (4.2 ?M).
Abbreviation	Recombinant Bungarus multicinctus Alpha-bungarotoxin isoform A31 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.	P60615
Product Type	Recombinant Protein
Immunogen Species	Bungarus multicinctus (Many-banded krait)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	IVCHTTATSPISAVTCPPGENLCYRKMWCDAFCSSRGKVVELGCAATCPSKKP YEEVTCCSTDKCNPHPKQRPG
Research Area	Others
Source	E.coli
Protein Names	Short name: Alpha-BTX A31 Short name: Alpha-Bgt(A31) Short name: BGTX A31 Alternative name(s): Long neurotoxin 1
Expression Region	22-95aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-GST-tagged and C-terminal Myc-tagged
Mol. Weight	38.0 kDa
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.