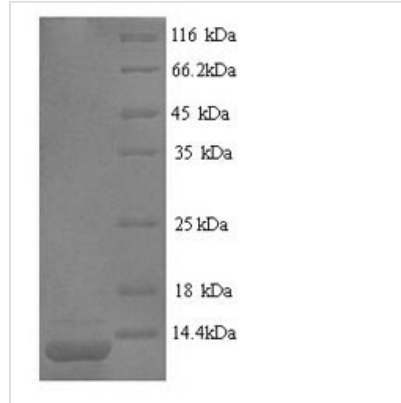




Recombinant Conus striatus Con-ikot-ikot

Product Code	CSB-YP316701DWI
Relevance	Potently and selectively blocks the desensitization of ionotropic glutamate AMPA receptor (GRIA1, GRIA2, GRIA3 and GRIA4). Can also open already desensitized GRIA1 receptors. Binds to a different site than does the drug cyclothiazide . The toxin acts like a straightjacket on the ligand-binding domain (LBD) "gating ring" of the receptor, restraining the domains via both intra- and interdimer cross-links such that agonist-induced closure of the LBD "clamshells" is transduced into an irislike expansion of the gating ring . Application of the toxin to hippocampal slices causes a large and rapid increase in resting AMPAR-mediated current leading to neuronal death .
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.	P0CB20
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Protein
Species	Conus striatus (Striated cone)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SGPADCCRMKECCTDRVNECLQRYSGREDKFVVSFCYQEATVTCGSFNEIVG CCYGYQMCMIRVVKPNSLSGAHEACKTVSCGNPCA
Research Area	Others
Source	Yeast
Gene Names	N/A
Protein Names	Recommended name: Con-ikot-ikot
Expression Region	38-123aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	11.4kDa
Protein Description	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.