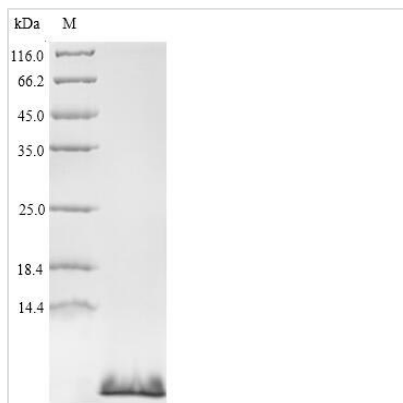


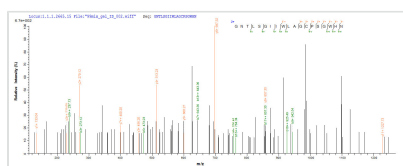


Recombinant Anemonia sulcata Delta-actitoxin-Avd1c

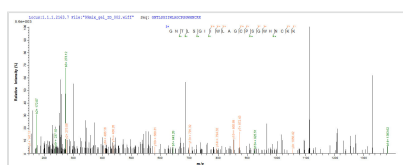
Product Code	CSB-YP355673AKE
Relevance	Binds specifically to voltage-gated sodium channels (Nav) (site 3), thereby delaying their inactivation. Has a strong effect on crustaceans and insects (DmNav1) and a weaker effect on mammals. This toxin is highly potent at mammalian Nav1.1/SCN1A (EC(50)=6.01 nM) and Nav1.2/SCN2A (EC(50)=7.88 nM) (PubMed:15169781). It has also great activity on Nav1.5/SCN5A (EC(50)=49.05 nM), Nav1.4/SCN4A (EC(50)=109.49 nM) and Nav1.6/SCN8A (EC(50)=about 180 nM) and is less potent on Nav1.3/SCN3A (EC(50)=759.22 nM) (when measured as the increase in the slow component) (PubMed:15169781).
Abbreviation	Recombinant Anemonia sulcata Delta-actitoxin-Avd1c 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.	P01528
Alias	ATX-II
Product Type	Recombinant Protein
Immunogen Species	Anemonia sulcata (Mediterranean snakelocks sea anemone)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	GVPCLCSDGPSVRGNTLSGIIWLAGCPSGWHNCKKHGPTIGWCKQ
Research Area	others
Source	Yeast
Protein Names	Recommended name: Neurotoxin 2 Alternative name(s): Anemonia viridis toxin 2 Short name= Av2 As2 Toxin ATX-II Short name= Toxin II
Expression Region	1-47aa
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	6.9kDa
Protein Length	Full Length
Image	



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



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP355673AKE could indicate that this peptide derived from Yeast-expressed *Anemonia sulcata* (Mediterranean snakelocks sea anemone) Delta-actitoxin-Avd1c.



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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.