

Omega-hexatoxin-Hv1a Recombinant Protein | Omega-HXTX-Hv1a recombinant protein

Recombinant Hadronyche versuta (Blue mountains funnel-web spider) (Atrax versutus) Omega-hexatoxin-Hv1a

CATALOG # AAA114821	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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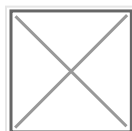
PRODUCT SYNONYMS

Omega-hexatoxin-Hv1a; Recombinant Hadronyche versuta (Blue mountains funnel-web spider) (Atrax versutus) Omega-hexatoxin-Hv1a; Omega-atracotoxin-Hv1a; AcTx-Hv1; Omega-AcTx-Hv1a; Omega-HXTX-Hv1a 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	1-37aa; Full Length
Sequence	SPTCIPSGQP CPYNENCCSQ SCTFKENENG NTVKRCD
Species	Hadronyche versuta (Blue mountains funnel-web spider) (Atrax versutus)
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 Omega-HXTX-Hv1a recombinant protein	Reversibly and voltage-independently blocks both mid-low- (M-LVA) and high-voltage-activated (HVA) calcium channels in cockroach DUM neurons. Lethal to many insect orders but not toxic to mice or rabbits. May target the insect high-voltage-activated calcium channel Dmca1D. Also inhibits acarines calcium channels. An extremely high toxin concentration partially inhibits Cav1. 2/CACNA1C, Cav2. 1/CACNA1A and Cav2. 2/CACNA1B calcium channel of rats. As for omega-AcTx-Hv2a, the phenotypic effect of injection of this toxin into lone star ticks (Amblyomma americanum) is curling of all eight legs into closed loops.
References	"The structure of a novel insecticidal neurotoxin, omega-atracotoxin-HV1, from the venom of an Australian funnel web spider." Fletcher J.I., Smith R., O'Donoghue S.I., Nilges M., Connor M., Howden M.E.H., Christie M.J., King G.F. Nat. Struct. Biol. 4:559-566(1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2829476
UniProt Accession #	P56207
Molecular Weight	20.1 kDa
NCBI Official Full Name	Omega-hexatoxin-Hv1a

UniProt Protein Name	Omega-hexatoxin-Hv1a
UniProt Gene Name	Omega-HXTX-Hv1a
UniProt Synonym Gene Names	AcTx-Hv1; Omega-AcTx-Hv1a
UniProt Entry Name	TO1A_HADVE

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.

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Online datasheet: <https://stage.aaabiotech.com/omega-hxtx-hv1a-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114821>