

Alpha-insect toxin LqhaIT Recombinant Protein | Alpha-IT recombinant protein

Recombinant Leiurus quinquestriatus hebraeus (Yellow scorpion) Alpha-insect toxin LqhaIT

CATALOG #
AAA114779

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

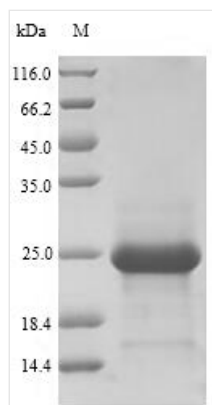
PRODUCT SYNONYMS

Alpha-insect toxin LqhaIT; Recombinant Leiurus quinquestriatus hebraeus (Yellow scorpion) Alpha-insect toxin LqhaIT; Lqh-alpha-IT; Alpha-IT; Alpha-IT 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	20-85aa; Full Length of Mature Protein
Sequence	VRDAYIAKNY NCVYECFRDA YCNELCTKNG ASSGYCQWAG KYGNACWCYA LPDNVPIRVP GKCHRK
Sequence Length	85
Species	Leiurus quinquestriatus hebraeus (Yellow scorpion)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
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 Alpha-IT recombinant protein	Alpha toxins bind voltage-independently at site-3 of sodium channels (Nav) and inhibit the inactivation of the activated channels, thereby blocking neuronal transmission. The dissociation is voltage-dependent. This toxin is active on insects. It is also highly toxic to crustaceans and has a measurable but low toxicity to mice.
References	"Nucleotide sequence and structure analysis of a cDNA encoding an alpha insect toxin from the scorpion Leiurus quinquestriatus hebraeus." Gurevitz M., Urbach D., Zlotkin E., Zilberberg N. Toxicon 29:1270-1272(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	134374
UniProt Accession #	P17728
Molecular Weight	23.5 kDa
NCBI Official Full Name	Alpha-insect toxin LqhaIT
UniProt Protein Name	Alpha-insect toxin LqhaIT
UniProt Gene Name	Alpha-IT
UniProt Synonym Gene Names	Alpha-IT
UniProt Entry Name	SCXA_LEIQH

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/alpha-it-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114779>