

Beta-mammal toxin Css4 Recombinant Protein | CssIV recombinant protein

Recombinant Centruroides suffusus suffusus (Mexican scorpion) Beta-mammal toxin Css4

CATALOG #
AAA114645

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

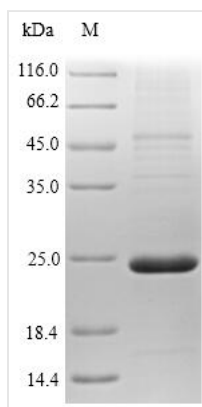
PRODUCT SYNONYMS

Beta-mammal toxin Css4; Recombinant Centruroides suffusus suffusus (Mexican scorpion) Beta-mammal toxin Css4; CssIV 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	KEGYLVNSYT GCKFECFKLG DNDYCLRECR QQYGKGSGGY CYAFGCWCTH LYEQAVVWPL PNKTCN
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-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 CssIV recombinant protein

Beta toxins bind voltage-independently at site-4 of sodium channels (Nav) and shift the voltage of activation toward more negative potentials thereby affecting sodium channel activation and promoting spontaneous and repetitive firing. This toxin is active only on mammals.

References	Scorpion toxins specific for Na⁺-channels.Possani L.D., Becerril B., Delepierre M., Tytgat J.Eur. J. Biochem. 264:287-300(1999) Purification and chemical and biological characterizations of seven toxins from the Mexican scorpion, Centruroides suffusus suffusus.Martin M.-F., Garcia Y., Perez L.G., el Ayeb M., Kopeyan C., Bechis G., Jover E., Rochat H.J. Biol. Chem. 262:4452-4459(1987) Voltage sensor-trapping enhanced activation of sodium channels by beta-scorpion toxin bound to the S3-S4 loop in domain II.Cestele S., Qu Y., Rogers J.C., Rochat H., Scheuer T., Catterall W.A.Neuron 21:919-931(1998) Neutralization of gating charges in domain II of the sodium channel alpha subunit enhances voltage-sensor trapping by a beta-scorpion toxin.Cestele S., Scheuer T., Mantegazza M., Rochat H., Catterall W.A.J. Gen. Physiol. 118:291-302(2001) Common features in the functional surface of scorpion beta-toxins and elements that confer specificity for insect and mammalian voltage-gated sodium channels.Cohen L., Karbat I., Gilles N., Ilan N., Benveniste M., Gordon D., Gurevitz M.J. Biol. Chem. 280:5045-5053(2005) X-ray structure and mutagenesis of the scorpion depressant toxin LqhIT2 reveals key determinants crucial for activity and anti-insect selectivity.Karbat I., Turkov M., Cohen L., Kahn R., Gordon D., Gurevitz M., Frolov F.J. Mol. Biol. 366:586-601(2007)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41017880
UniProt Accession #	P60266
Molecular Weight	23.6 kDa
NCBI Official Full Name	Beta-mammal toxin Css4
UniProt Protein Name	Beta-mammal toxin Css4
UniProt Gene Name	CssIV
UniProt Synonym Gene Names	CssIV
UniProt Entry Name	SCX4_CENSU

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/cssiv-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114645>