# Short Neurotoxin 1 (SNTX-1) Oxyuranus Scutellatus Scutellatus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Short neurotoxin 1 (SNTX-1), Recombinant Protein |
| **Full Product Name** | Recombinant Oxyuranus scutellatus scutellatus Short neurotoxin 1 |
| **Product Gene Name** | SNTX-1 recombinant protein |
| **Sequence** | MTCYNQQSSE AKTTTTCSGG VSSCYKKTWS DGRGTIIERG CGCPSVKKGI ERICCRTDKC NN |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 9,025 Da |
| **Sequence Positions** | 22-83, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q45Z11 |
| **Species** | Oxyuranus scutellatus scutellatus (Australian taipan) (Coastal taipan) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for SNTX-1 recombinant protein** | MBS1351731 is a recombinant protein targeting SNTX-1. Also known as Recombinant Oxyuranus scutellatus scutellatus Short neurotoxin 1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of SNTX-1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNTX-1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 123910874 |
| **NCBI Accession #** | Q45Z11.1 |
| **UniProt Primary Accession #** | Q45Z11 |
| **UniProt Secondary Accession #** | Q4VRI1 |
| **NCBI Official Full Name** | Short neurotoxin 1 |
| **UniProt Protein Name** | Short neurotoxin 1 |
| **UniProt Synonym Protein Names** | Toxin 3 |
| **Protein Family** | Short neurotoxin |

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|---|---|
| **UniProt Gene Name** | SNTX-1 |
| **UniProt Synonym Gene Names** | SNTX-1 |
| **UniProt Comments for SNTX-1** | Binds to muscle nicotinic acetylcholine receptor (nAChR) and inhibit acetylcholine from binding to the receptor, thereby impairing neuromuscular transmission. |
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