Erabutoxin a (ETXA) Laticauda Semifasciata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Erabutoxin a (ETXA), Recombinant Protein
Full Product Name	Recombinant Laticauda semifasciata Erabutoxin a (ETXA)
Product Gene Name	ETXA recombinant protein
Sequence	RICFNHQSSQ PQTTKTCSPG ESSCYNKQWS DFRGTIIERG CGCPTVKPGI KLSCCESEVC 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	9,137 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 P60775
Species	Laticauda semifasciata (Black-banded sea krait) (Pseudolaticauda semifasciata)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ETXA recombinant protein	MBS1263687 is a recombinant protein targeting ETXA. Also known as Recombinant Laticauda semifasciata Erabutoxin a (ETXA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ETXA 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 ETXA. It may not necessarily be applicable to this product.

NCBI GI #	46397636
NCBI Accession #	P60775.1
UniProt Primary Accession #	P60775
UniProt Secondary Accession #	P01435
NCBI Official Full Name	Erabutoxin a
UniProt Protein Name	Erabutoxin a
UniProt Synonym Protein Names	Short neurotoxin 1a
Protein Family	Erabutoxin

UniProt Gene Name	ETXA
UniProt Synonym Gene Names	ETXA
UniProt Comments for ETXA	Binds with high affinity to muscular nicotinic acetylcholine receptors (nAChRs) and with low affinity to neuronal alpha-7 nAChRs and inhibit acetylcholine from binding to the receptor, thereby impairing neuromuscular transmission. Produces peripheral paralysis by blocking neuromuscular transmission at the postsynaptic site. Blocks the extracellular increase of dopamine evoked by nicotine at 4.2 ÂµM concentrations.
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