Hypotensin-1 (TsHpt-I) Tityus Serrulatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hypotensin-1 (TsHpt-I), Recombinant Protein
Full Product Name	Recombinant Tityus serrulatus Hypotensin-1
Product Gene Name	TsHpt-I recombinant protein
Product Synonym Names	Recombinant Hypotensin-1; Hypotensin-1; Hypotensin I; TsHpt-I Cleaved into the following chain: 1. Hypotensin-3; Hypotensin III; TsHpt-III
Sequence	AEIDFSGIPE DIIKQIKETN AKPPA
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	2,725 Da
Sequence Positions	1-25aa; Cytoplasmic domain
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 P84189
Species	Tityus serrulatus (Brazilian scorpion)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TsHpt-I recombinant protein	MBS1110943 is a recombinant protein targeting TsHpt-I. Also known as Recombinant Tityus serrulatus Hypotensin-1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TsHpt-I 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 TsHpt-I. It may not necessarily be applicable to this product.

NCBI GI #	108860778
NCBI Accession #	P84189.1
UniProt Primary Accession #	P84189
UniProt Secondary Accession #	P84191
NCBI Official Full Name	Hypotensin-1
UniProt Protein Name	Hypotensin-1
UniProt Synonym Protein Names	Hypotensin I; TsHpt-ICleaved into the following chain:Hypotensin-3; Alternative name(s):; Hypotensin III

Protein Family	Hypotensin
UniProt Gene Name	TsHpt-I
UniProt Synonym Gene Names	TsHpt-III
UniProt Entry Name	HYT13_TITSE
UniProt Comments for TsHpt-I	Function: Agonist of the B2 bradykinin receptor (BDKRB2). Potentiates the hypotensive effect of bradykinin (BK) and induces a direct vasorelaxing effect, independently of BK, by endothelium- and nitric oxide (NO)-dependent mechanisms in rat aortic ring preparations. Does not inhibit the angiotensin-converting enzyme (ACE). Ref.1 Ref.3 Subcellular location: Secreted Ref.1 Ref.2. Tissue specificity: Expressed by the venom gland. Ref.1 Ref.2 Post-translational modification: The ultimate C-terminal Ala residue of TsHpt-I is quickly removed by carboxypeptidase Y in (in vitro) experiments. Mass spectrometry: Molecular mass is 2726.08 Da from positions 1 - 25. Determined by ESI. Hypotensin-1. Ref.1Molecular mass is 2655.06 Da from positions 1 - 24. Determined by ESI. Hypotensin-3. Ref.1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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