PBAN-Type Neuropeptides (PBAN) Helicoverpa Assulta Recombinant Protein

PRODUCT OVERVIEW

Product Name	PBAN-type neuropeptides (PBAN), Recombinant Protein
Full Product Name	Recombinant Helicoverpa assulta PBAN-type neuropeptides (PBAN)
Product Gene Name	PBAN recombinant protein
Product Synonym Gene Name	PBAN
Product Synonym Names	Recombinant PBAN-type neuropeptides (PBAN); PBAN-type neuropeptides; Pheromone/pyrokinin biosynthesis-activating neuropeptide Cleaved into the following 5 chains: 1. Diapause hormone homolog; 2. DH; Pyrokinin-1 Alpha-SG neuropeptide Beta-SG neuropeptide;
Sequence	NDVKDGA ASGAHSDRLG LWFGPRL
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	22,343 Da
Sequence Positions	24-47aa; 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 O18641
Species	Helicoverpa assulta (Oriental tobacco budworm) (Heliothis assulta)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PBAN recombinant protein	MBS1238183 is a recombinant protein targeting PBAN. Also known as Recombinant Helicoverpa assulta PBAN-type neuropeptides (PBAN). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PBAN 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 PBAN. It may not necessarily be applicable to this product.

NCBI GI #	6225829
NCBI Accession #	O18641.1
UniProt Primary Accession #	O18641
UniProt Secondary Accession #	Q95P22
NCBI Official Full Name	PBAN-type neuropeptides

UniProt Protein Name	PBAN-type neuropeptides
UniProt Synonym Protein Names	Pheromone/pyrokinin biosynthesis-activating neuropeptideCleaved into the following 5 chains:Diapause hormone homolog; DH; Alternative name(s):; Pyrokinin-1Alpha-SG neuropeptideBeta-SG neuropeptide; Alternative name(s):; Pyrokinin-2Pheromone biosynthesis-activating neuropeptide; Has-PBAN; HeA-PBAN; Alternative name(s):; Pyrokinin-3Gamma-SG neuropeptide; Alternative name(s):; Pyrokinin-4
UniProt Gene Name	PBAN
UniProt Synonym Gene Names	DH; Has-PBAN; HeA-PBAN
UniProt Entry Name	PBAN_HELAU
UniProt Comments for PBAN	Function: A hormone that controls sex pheromone production in females and pheromone responsiveness in male. Also mediates visceral muscle contractile activity (myotropic activity). Ref.1 Subcellular location: Secreted Ref.1. Tissue specificity: Synthesized in the subesophageal ganglion and released in the hemolymph. Ref.1 Developmental stage: Detected in 1-3 day old adults. Ref.1 Miscellaneous: Juvenile hormone seems to allow PBAN release, which then induces pheromone biosynthesis By similarity.PBAN is produced independent of the photoperiod. The circadian rhythm in pheromone production is due to the circadian rhythm of PBAN release. Sequence similarities: Belongs to the pyrokinin family.
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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