Bombyxin D-1 (BBXD1) (BBX-d1) Bombyx Mori Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bombyxin D-1 (BBXD1) (Bbx-d1), Recombinant Protein
Full Product Name	Recombinant Bombyx mori Bombyxin D-1 (BBXD1)
Product Gene Name	Bbx-d1 recombinant protein
Product Synonym Gene Name	BBXD1
Product Synonym Names	Recombinant Bombyxin D-1 (BBXD1); Bombyxin D-1; BBX-D1; 4K-prothoracicotropic hormone; 4K-PTTH Cleaved into the following 2 chains: 1. Bombyxin D-1 B chain 2. Bombyxin D-1 A chain
Sequence	AS EEGHIYCGRY LAYKMADLCW RAGFE
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	10,106 Da
Sequence Positions	19-45aa; 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 P26736
Species	Bombyx mori (Silk moth)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Bbx-d1 recombinant protein	MBS1200841 is a recombinant protein targeting Bbx-d1. Also known as Recombinant Bombyx mori Bombyxin D-1 (BBXD1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Bbx-d1 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 Bbx-d1. It may not necessarily be applicable to this product.

NCBI GI #	189491642
NCBI GeneID	100169725
NCBI Accession #	NP_001121635.1
UniProt Primary Accession #	P26736
UniProt Secondary Accession #	O01954
UniProt Related Accession #	P26736

GenBank Nucleotide #	NM_001128163.1
NCBI Official Full Name	bombyxin D-1
NCBI Official Symbol	Bbx-d1
NCBI Official Synonym Symbols	BBXD1; bbxD1'
UniProt Protein Name	Bombyxin D-1
UniProt Synonym Protein Names	4K-prothoracicotropic hormone
UniProt Gene Name	BBXD1
UniProt Synonym Gene Names	BBX-D1; 4K-PTTH
UniProt Entry Name	BXD1_BOMMO
NCBI Protein Information	bombyxin D-1; 4K-PTTH; Bombyxin D1'; 4K-prothoracicotropic hormone
UniProt Comments for Bbx-d1	Function: Brain peptide responsible for activation of prothoracic glands to produce ecdysone in insects. Subunit structure: Heterodimer of a B chain and an A chain linked by two disulfide bonds. Subcellular location: Secreted. Miscellaneous: Silk worm has two kinds of PTTH: 4K-PTTH and 22K-PTTH; there are many forms of 4K-PTTH. Sequence similarities: Belongs to the insulin 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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