ATP-Dependent Clp Protease ATP-Binding Subunit Clpx (clpX) Synechococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP-dependent Clp protease ATP-binding subunit ClpX (clpX), Recombinant Protein
Full Product Name	Recombinant Synechococcus sp. ATP-dependent Clp protease ATP-binding subunit ClpX (clpX)
Product Gene Name	clpX recombinant protein
Product Synonym Gene Name	clpX
Sequence	MAKFDAHLKC SFCGKSQDQV RKLIAGPGVY ICDECIDLCN EILDEELVDG QGNSRHSHEP SRKAMPAARK SSKPAPTLAS IPRPQDIKSF LDQQVVGQDA AKKVMSVAVY NHYKRLAWQG DGQGETEETA TRLHKSNILL IGPTGCGKTL LAQTLAEMLD VPFAVADATT LTEAGYVGED VENILLRLLQ KAEMDVDQAQ RGIIYIDEID KIARKSENPS ITRDVSGEGV QQALLKMLEG TVANVPPQGG RKHPYQDCIQ IDTSQILFIC GGAFVGLEDV VQKRMGRNAI GFMPSDGRGR SRANRDLQAA QVLRHLEPDD LVRYGLIPEF IGRMPVSAVL EPLDESALQS ILTEPRDALV KQFRTLLSMD NVQLQFADDA IEAIAQEAHR RKTGARALRG IVEELMLDLM YDLPSQTSVK EFTVTRAMVE EHTGGKVLPL PGAEQQKTA
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	49,308 Da
Sequence Positions	1-449, 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 Q3ANI9
Species	Synechococcus sp. (strain CC9605)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for clpX recombinant protein	MBS1356319 is a recombinant protein targeting clpX. Also known as Recombinant Synechococcus sp. ATP-dependent Clp protease ATP-binding subunit ClpX (clpX). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of clpX 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 clpX. It may not necessarily be applicable to this product.

NCBI GI #	499682370
NCBI Accession #	WP_011363104.1
UniProt Primary Accession #	Q3ANI9

GenBank Nucleotide #	WP_011363104.1
NCBI Official Full Name	ATP-dependent Clp protease ATP-binding subunit ClpX
UniProt Protein Name	ATP-dependent Clp protease ATP-binding subunit ClpX
Protein Family	ATP-dependent Clp protease ATP-binding
UniProt Gene Name	clpX
UniProt Comments for clpX	ATP-dependent specificity component of the Clp protease. It directs the protease to specific substrates. Can perform chaperone functions in the absence of ClpP.
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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