ATP-Dependent Clp Protease Proteolytic Subunit 1 (clpP1) Synechococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP-dependent Clp protease proteolytic subunit 1 (clpP1), Recombinant Protein
Full Product Name	Recombinant Synechococcus sp. ATP-dependent Clp protease proteolytic subunit 1 (clpP1)
Product Gene Name	clpP1 recombinant protein
Product Synonym Gene Name	clpP1
Sequence	MIPIVIEESG RGERAFDIYS RLLRERIIFL GEAVTSDSAN RIVAQMLFLE AEDPEKDIYL YINSPGGSVY DGLGIFDTMQ HIKPDVQTVC VGLAASMGAF LLCAGTKGKR SSLQHSRIMI HQPLGGASGQ ASDIRIQADE ILYLKDRLNT ELSDRTGQPL DRIQEDTDRD FFMSPGEAVS YGLIDSVIDK RPVQAVA
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	21,709 Da
Sequence Positions	1-197, 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 Q3AY04
Species	Synechococcus sp. (strain CC9902)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for clpP1 recombinant protein	MBS1282828 is a recombinant protein targeting clpP1. Also known as Recombinant Synechococcus sp. ATP-dependent Clp protease proteolytic subunit 1 (clpP1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of clpP1 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 clpP1. It may not necessarily be applicable to this product.

NCBI GI #	499679122
NCBI Accession #	WP_011359856.1
UniProt Primary Accession #	Q3AY04
GenBank Nucleotide #	WP_011359856.1
NCBI Official Full Name	ATP-dependent Clp protease proteolytic subunit

UniProt Protein Name	ATP-dependent Clp protease proteolytic subunit 1
UniProt Synonym Protein Names	Endopeptidase Clp 1
Protein Family	ATP-dependent Clp protease proteolytic
UniProt Gene Name	clpP1
UniProt Comments for clpP1	Cleaves peptides in various proteins in a process that requires ATP hydrolysis. Has a chymotrypsin-like activity. Plays a major role in the degradation of misfolded proteins.
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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