Chaperone Protein Clpd1, Chloroplastic (CLPD1) Oryza Sativa Subsp. Japonica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chaperone protein ClpD1, chloroplastic (CLPD1), Recombinant Protein
Full Product Name	Recombinant Oryza sativa subsp. japonica Chaperone protein ClpD1, chloroplastic (CLPD1), partial
Product Gene Name	CLPD1 recombinant protein
Product Synonym Gene Name	CLPD1
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	101,884 Da
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 Q6H795
Species	Oryza sativa subsp. japonica (Rice)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CLPD1 recombinant protein	MBS1471436 is a recombinant protein targeting CLPD1. Also known as Recombinant Oryza sativa subsp. japonica Chaperone protein ClpD1, chloroplastic (CLPD1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CLPD1 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 CLPD1. It may not necessarily be applicable to this product.

NCBI GI #	1002242537
NCBI GeneID	4329520
NCBI Accession #	XP_015625492.1
UniProt Primary Accession #	Q6H795
UniProt Secondary Accession #	A0A0P0VJZ7
UniProt Related Accession #	Q6H795
GenBank Nucleotide #	XM_015770006.1
NCBI Official Full Name	chaperone protein ClpD1, chloroplastic

NCBI Official Symbol	LOC4329520
NCBI Official Synonym Symbols	CLPD1
UniProt Protein Name	Chaperone protein ClpD1, chloroplastic
UniProt Synonym Protein Names	ATP-dependent Clp protease ATP-binding subunit ClpD homolog 1
Protein Family	Chaperone protein
UniProt Gene Name	CLPD1
NCBI Protein Information	chaperone protein ClpD1, chloroplastic
UniProt Comments for CLPD1	Molecular chaperone that may function in heat stress response. May interact with a ClpP-like protease involved in degradation of denatured proteins in the chloroplast (PubMed:20141629). Chaperone involved in response to abiotic stresses. Plays a positive role during dehydration and salt stress (PubMed:27457985).
Research Articles on CLPD1	**1.** up-regulation of ClpD1 protease responded strongly in the drought-tolerant rice species
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