20 Kda Chaperonin (Ch-CPN10) Populus Euphratica Recombinant Protein

PRODUCT OVERVIEW

Product Name	20 kDa chaperonin (Ch-Cpn10), Recombinant Protein
Full Product Name	Recombinant Populus euphratica 20 kDa chaperonin
Product Gene Name	Ch-Cpn10 recombinant protein
Sequence	YTSIKPLGDR VAEAEEKTAG GLLLTETTKE KPSIGTVIAV GPGSLDEEGK ITP
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	5,469 Da
Sequence Positions	1-53, 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 P84579
Species	Populus euphratica (Euphrates poplar)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ch-Cpn10 recombinant protein	MBS1223601 is a recombinant protein targeting Ch-Cpn10. Also known as Recombinant Populus euphratica 20 kDa chaperonin. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ch-Cpn10 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 Ch-Cpn10. It may not necessarily be applicable to this product.

NCBI GI #	68565095
NCBI Accession #	P84579.1
UniProt Primary Accession #	P84579
NCBI Official Full Name	20 kDa chaperonin
UniProt Protein Name	20 kDa chaperonin
UniProt Synonym Protein Names	Chloroplast chaperonin 10; Ch-Cpn10; Chloroplast Cpn10; Protein Cpn21
Protein Family	20 kDa chaperonin

UniProt Gene Name	Ch-Cpn10
UniProt Synonym Gene Names	Chloroplast Cpn10
UniProt Comments for Ch-Cpn10	Seems to function only as a co-chaperone, along with cpn60, and in certain cases is essential for the discharge of biologically active proteins from cpn60.
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