10 Kda Chaperonin (groS) Thermoanaerobacter Tengcongensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	10 kDa chaperonin (groS), Recombinant Protein
Full Product Name	Recombinant Thermoanaerobacter tengcongensis 10 kDa chaperonin (groS)
Product Gene Name	groS recombinant protein
Product Synonym Gene Name	groS; groES; TTE0579
Product Synonym Names	10 kDa chaperonin; GroES protein; Protein Cpn10
Sequence	MRLKPLGDRV VVKVIQSEEV TKGGVILPGT AKEKPQQGEV VAVGPGQYID GKRVEPEVKV GDRVIFSKYA GTEVKLDGEE YLLLRESDIL AIIE
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	10,276 Da
Sequence Positions	1-94aa; 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 Q8R5T8
Species	Thermoanaerobacter tengcongensis (strain DSM 15242 / JCM 11007 / NBRC 100824 / MB4) (Caldanaerobacter subterraneus subsp. tengcongensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for groS recombinant protein	MBS1432699 is a recombinant protein targeting groS. Also known as Recombinant Thermoanaerobacter tengcongensis 10 kDa chaperonin (groS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of groS 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 groS. It may not necessarily be applicable to this product.

NCBI GI #	20807075
NCBI GeneID	996689
NCBI Accession #	NP_622246.1
UniProt Primary Accession #	Q8R5T8
UniProt Related Accession #	Q8R5T8

GenBank Nucleotide #	NC_003869.1
NCBI Official Full Name	co-chaperonin GroES
NCBI Official Symbol	groES
UniProt Protein Name	10 kDa chaperonin
UniProt Synonym Protein Names	GroES protein; Protein Cpn10
Protein Family	10 kDa chaperonin
UniProt Gene Name	groS
UniProt Entry Name	CH10_THETN
NCBI Protein Information	co-chaperonin GroES
UniProt Comments for groS	Binds to Cpn60 in the presence of Mg-ATP and suppresses the ATPase activity of the latter.
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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