10 Kda Chaperonin 1 (groS1) Rhizobium Loti Recombinant Protein

PRODUCT OVERVIEW

Product Name	10 kDa chaperonin 1 (groS1), Recombinant Protein
Full Product Name	Recombinant Rhizobium loti 10 kDa chaperonin 1 (groS1)
Product Gene Name	groS1 recombinant protein
Product Synonym Gene Name	groS1
Sequence	MKFRPLHDRV VIRRAEGDTK SKGGIIIPDN AKEKPQEGEV IAVGPGARDE NGALVPLDVK AGDLILFGKW SGTEVKIDGE DLLIMKEADI MGVIDKSVEA KKAA
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	11,178 Da
Sequence Positions	1-104, 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 Q98IV4
Species	Rhizobium loti (strain MAFF303099) (Mesorhizobium loti)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for groS1 recombinant protein	MBS1355202 is a recombinant protein targeting groS1. Also known as Recombinant Rhizobium loti 10 kDa chaperonin 1 (groS1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of groS1 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 groS1. It may not necessarily be applicable to this product.

NCBI GI #	499213224
NCBI Accession #	WP_010910764.1
UniProt Primary Accession #	Q98IV4
GenBank Nucleotide #	WP_010910764.1
NCBI Official Full Name	MULTISPECIES: molecular chaperone GroES
UniProt Protein Name	10 kDa chaperonin 1

UniProt Synonym Protein Names	GroES protein 1; Protein Cpn10 1
Protein Family	10 kDa chaperonin
UniProt Gene Name	groS1
UniProt Synonym Gene Names	groES1
UniProt Comments for groS1	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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