33 Kda Chaperonin (hslO) Bacillus Thuringiensis Subsp. Konkukian Recombinant Protein

PRODUCT OVERVIEW

Product Name	33 kDa chaperonin (hslO), Recombinant Protein
Full Product Name	Recombinant Bacillus thuringiensis subsp. konkukian 33 kDa chaperonin (hslO)
Product Gene Name	hslO recombinant protein
Product Synonym Gene Name	hslO
Sequence	MKDYLVKALA FDGEVRAYSV RTTNTVSEAQ RRHDTWRTAS AALGRSLTAG TMMGAMLKGD QKLTIKVEGN GPIGPILVDA HANGDVRGYV TNPHVDFEGT EQGKLRVYQA VGTEGFVTVI KDIGMREPFI GQSPIVSGEL GEDFTYYFAV SEQTPSSVGV GVLVNGDDSI LAAGGFILQI MPGAQEETIS FIEERLQKIP PVSTLIEQGL SPEELLYAVL GEDKVKVLET MDVQFNCTCS RERIESVLIS LGKTELEQVR EEEEETEVHC HFCNERYKFS KEDITNLIEN L
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	32,058 Da
Sequence Positions	1-291, Full length
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 Q6HPV0
Species	Bacillus thuringiensis subsp. konkukian (strain 97-27)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hslO recombinant protein	MBS1352899 is a recombinant protein targeting hslO. Also known as Recombinant Bacillus thuringiensis subsp. konkukian 33 kDa chaperonin (hslO). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hslO 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 hslO. It may not necessarily be applicable to this product.

NCBI GI #	446579020
NCBI Accession #	WP_000656366.1
UniProt Primary Accession #	Q6HPV0
GenBank Nucleotide #	WP_000656366.1
NCBI Official Full Name	MULTISPECIES: redox-regulated molecular chaperone Hsp33

UniProt Protein Name	33 kDa chaperonin
UniProt Synonym Protein Names	Heat shock protein 33 homolog
Protein Family	33 kDa chaperonin
UniProt Gene Name	hslO
UniProt Synonym Gene Names	HSP33
UniProt Comments for hslO	Redox regulated molecular chaperone. Protects both thermally unfolding and oxidatively damaged proteins from irreversible aggregation. Plays an important role in the bacterial defense system toward oxidative stress.
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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