33 Kda Chaperonin (hslO) Colwellia Psychrerythraea Recombinant Protein

PRODUCT OVERVIEW

Product Name	33 kDa chaperonin (hslO), Recombinant Protein
Full Product Name	Recombinant Colwellia psychrerythraea 33 kDa chaperonin (hslO)
Product Gene Name	hslO recombinant protein
Product Synonym Gene Name	hslO
Sequence	MSQFNVLNRY LFTDAHARGE LVQLSSSFES IIKNHNYPVG VEKLLGELLC ATCLLTATLK FEGDITVQLQ GDGPVGYMSV SGNNKQQMRG IAKMAEETSA DTLQTLIGKG TMIITIRPNA GEAYQGVVAL DEESLADCLA HYFDVSEQIP TKIWLFCDTE QQLAAGALVQ LLPDGDGSTE NKEQQQSDFE HLCQLTNTIK SEEVFSLEAE ALLYRLYHQE QVNIFEPQMV SYLCGCSADK CLSAISQIEP SEIKAILAEH GKISMTCDYC ITTYDFDELS LKSFISKVNH
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	32,105 Da
Sequence Positions	1-290, 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 Q47VD1
Species	Colwellia psychrerythraea (strain 34H / BAA-681) (Vibrio psychroerythus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hslO recombinant protein	MBS1332722 is a recombinant protein targeting hslO. Also known as Recombinant Colwellia psychrerythraea 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 #	499356625
NCBI Accession #	WP_011045322.1
UniProt Primary Accession #	Q47VD1
GenBank Nucleotide #	WP_011045322.1
NCBI Official Full Name	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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