ATP-Dependent Protease Atpase Subunit Hslu (hslU) Desulfotalea Psychrophila Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP-dependent protease ATPase subunit HslU (hslU), Recombinant Protein
Full Product Name	Recombinant Desulfotalea psychrophila ATP-dependent protease ATPase subunit HslU (hslU)
Product Gene Name	hslU recombinant protein
Product Synonym Gene Name	hslU
Sequence	MTISSSLTPK ETLAELDRYI VGQAAAKRSV AIALRNRWRR QQVPSPLREE IAPKNIIMIG PTGVGKTEIA RRLASLAQSP FIKVEASKFT EVGYVGRDVE SMIRDLVELA ISMVKDEEKK RIEGLAEANA EDRILDLLLP PTPVHSESSV DLLPASADVS AAGSSTKEKF RQMLRDGKLD EREVEVEVTE TSQAPMVEVM GVSGMDDMQS NIQDAFSRMF PKKTKQSKMK VPDALDVLTK EEMEKLVDME MVLKEALRRT EQSGIVFLDE IDKVASKGGS SHGPEVSREG VQRDLLPIVE GATVSTKYGM VKTDHILFIA SGAFHVAKPS DLIPELQGRF PIRVELESLG KDEFVRILTE PENALTKQYI ALLATEGVTL RFEDEAIEEI ATIAVQVNES TEEIGARRLH TVVERVLDVL SFDACEREES EFVVTAQYVR DQLSEIAEDQ DLSRYIL
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	50,801 Da
Sequence Positions	1-457, 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 Q6AJQ6
Species	Desulfotalea psychrophila (strain LSv54 / DSM 12343)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hslU recombinant protein	MBS1328957 is a recombinant protein targeting hslU. Also known as Recombinant Desulfotalea psychrophila ATP-dependent protease ATPase subunit HslU (hslU). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hslU 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 hslU. It may not necessarily be applicable to this product.

NCBI GI #	499503296
NCBI Accession #	WP_011189936.1
UniProt Primary Accession #	Q6AJQ6

GenBank Nucleotide #	WP_011189936.1
NCBI Official Full Name	HslU--HslV peptidase ATPase subunit
UniProt Protein Name	ATP-dependent protease ATPase subunit HslU
UniProt Synonym Protein Names	Unfoldase HslU
Protein Family	ATP-dependent protease ATPase
UniProt Gene Name	hslU
UniProt Comments for hslU	ATPase subunit of a proteasome-like degradation complex; this subunit has chaperone activity. The binding of ATP and its subsequent hydrolysis by HslU are essential for unfolding of protein substrates subsequently hydrolyzed by HslV. HslU recognizes the N-terminal part of its protein substrates and unfolds these before they are guided to HslV for hydrolysis.
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