ATP Synthase Subunit Beta (atpD) Dictyoglomus Thermophilum Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit beta (atpD), Recombinant Protein
Full Product Name	Recombinant Dictyoglomus thermophilum ATP synthase subunit beta (atpD)
Product Gene Name	atpD recombinant protein
Sequence	MEGKIISVNG PVVDIYFPND VPHIYEALEV ENPIKNEKLV LETRILFGEN KVRAIALGST EGISRGLTVK RTFHPISVPV SEEILGRVVN VFGEPIDGGE KIRGEVTPII KNAAEFRRVQ PSYSILETGI KAIDLLTPFP QGGKIGLFGG AGVGKTVLIM ELIHNVAVAH GGISVFAGIG ERSREGNELW LEMKESGVLS KAALVFGQMN EPPGVRMRVP LTALTIAEYF RDYLGKDVLL LMDNIFRYVQ AGMEVSSMLG RIPSAVGYQP TLITELGEVE ERILSTDTGS ITAVQAVYVP ADDLTDPAPA TIFSHLDSTL VLSRSIAEMG IYPAVDPLAS SSQILEPKFV GYEHAEVARK VVEILQHYES LKDIISILGV EELSEEDRII VNRARKIQMF LSQPLFVASA YTNIPGVYVP REKTIEGFKA IIEGEVDDLP EDAFYMVGTL EDVKKKAEEH GALMY
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	50,922 Da
Sequence Positions	1-465, 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 B5YBP8
Species	Dictyoglomus thermophilum (strain 35947 / DSM 3960 / H-6-12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpD recombinant protein	MBS1259723 is a recombinant protein targeting atpD. Also known as Recombinant Dictyoglomus thermophilum ATP synthase subunit beta (atpD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpD 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 atpD. It may not necessarily be applicable to this product.

NCBI GI #	501541935
NCBI Accession #	WP_012547055.1
UniProt Primary Accession #	B5YBP8
GenBank Nucleotide #	WP_012547055.1
NCBI Official Full Name	ATP synthase subunit beta

UniProt Protein Name	ATP synthase subunit beta
UniProt Synonym Protein Names	ATP synthase F1 sector subunit beta
Protein Family	ATP synthase
UniProt Gene Name	atpD
UniProt Comments for atpD	Produces ATP from ADP in the presence of a proton gradient across the membrane. The catalytic sites are hosted primarily by the beta subunits.
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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