ATP Synthase Subunit Beta (atpD) Mycobacterium Marinum Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit beta (atpD), Recombinant Protein
Full Product Name	Recombinant Mycobacterium marinum ATP synthase subunit beta (atpD)
Product Gene Name	atpD recombinant protein
Product Synonym Gene Name	atpD; MMAR_4087
Product Synonym Names	ATP synthase subunit beta; EC=3.6.3.14; ATP synthase F1 sector subunit beta; F-ATPase subunit beta
Sequence	MTVTAEKTDK SASSETSGRV VRVTGPVVDV EFPRGSVPEL FNALHAKIDF GSLAKTLTLE VAQHLGDSLV RTISLQPTDG LVRGTEVTDT GRPISVPVGE SVKGHVFNAL GDCLDEPGYG EDFEHWSIHR KPPAFEDLEP RTEMLETGLK VVDLLTPYVR GGKIALFGGA GVGKTVLIQE MINRIARNFG GTSVFAGVGE RTREGNDLWV ELQEANVLKD TALVFGQMDE PPGTRMRVAL SALTMAEWFR DEAGQDVLLF IDNIFRFTQA GSEVSTLLGR MPSAVGYQPT LADEMGELQE RITSTRGRSI TSMQAVYVPA DDYTDPAPAT TFAHLDATTE LSRAVFSKGI FPAVDPLASS STILDPGVVG DEHYRVAQEV IRILQRYKDL QDIIAILGID ELSEEDKQLV NRARRIERFL SQNMMAAEQF TGQPGSTVPV KETIEAFDRL CKGEFDHVPE QAFFLIGGLD DLAKKAESLG AKL
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	52,687 Da
Sequence Positions	1-483aa; 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 B2HQK2
Species	Mycobacterium marinum (strain BAA-535 / M)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpD recombinant protein	MBS1165360 is a recombinant protein targeting atpD. Also known as Recombinant Mycobacterium marinum 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 #	183984058
NCBI GeneID	6228366
NCBI Accession #	YP_001852349.1

UniProt Primary Accession #	B2HQK2
UniProt Related Accession #	B2HQK2
GenBank Nucleotide #	NC_010612.1
NCBI Official Full Name	F0F1 ATP synthase subunit beta
NCBI Official Symbol	atpD
UniProt Protein Name	ATP synthase subunit beta
UniProt Synonym Protein Names	ATP synthase F1 sector subunit beta; F-ATPase subunit beta
Protein Family	ATP synthase
UniProt Gene Name	atpD
UniProt Synonym Gene Names	MMAR_4087
UniProt Entry Name	ATPB_MYCMM
NCBI Protein Information	F0F1 ATP synthase subunit beta
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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