V-Type ATP Synthase Beta Chain (atpB) Streptococcus Pyogenes Serotype M2 Recombinant Protein

PRODUCT OVERVIEW

Product Name	V-type ATP synthase beta chain (atpB), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M2 V-type ATP synthase beta chain (atpB)
Product Gene Name	atpB recombinant protein
Product Synonym Gene Name	atpB
Sequence	MSVLKEYRTV SEVVGPLMIV DQVAGVHYNE LVDITLHNGE RRKGQVLEVQ GDKAMVQLFE GSTGINLAKT KVRFTGHPLE LAVSEDMVGR IFDGMGQPID GGPELIPEKY LDIDGQAINP VARDYPDEFI QTGISAIDHL NTLVRGQKLP VFSGSGLPHN ELAAQIARQA TVLNSDDNFA VVFAAMGITF EEAEFFMNDL RETGAIDRSV LFINLANDPA IERIATPRIA LTTAEYLAYE KGMHVLVIMT DMTNYCEALR EVSAARREVP GRRGYPGYLY TNLSTLYERA GRLIGKKGSV TQIPILTMPE DDITHPIPDL TGYITEGQII LSQELYKNGF RPPINVLPSL SRLKDKGSGE GKTRQDHAAT MNQLFAAYAQ GKQAKELAVV LGESALSETD KLYVAFTNRF EEEYINQGFY TNRSIEESLD LGWELLSILP RTELKRIKDD MLDRYLPKAD TTMTKVFVAN D
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	52,358 Da
Sequence Positions	1-471, 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 Q1JIX4
Species	Streptococcus pyogenes serotype M2 (strain MGAS10270)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpB recombinant protein	MBS1431061 is a recombinant protein targeting atpB. Also known as Recombinant Streptococcus pyogenes serotype M2 V-type ATP synthase beta chain (atpB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpB 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 atpB. It may not necessarily be applicable to this product.

NCBI GI #	489076471
NCBI Accession #	WP_002986419.1
UniProt Primary Accession #	Q1JIX4

GenBank Nucleotide #	WP_002986419.1
NCBI Official Full Name	ATP synthase subunit beta
UniProt Protein Name	V-type ATP synthase beta chain
UniProt Synonym Protein Names	V-ATPase subunit B
Protein Family	ATP synthase
UniProt Gene Name	atpB
UniProt Comments for atpB	Produces ATP from ADP in the presence of a proton gradient across the membrane. The V-type beta chain is a regulatory subunit.
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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