ATP Synthase Subunit Beta, Chloroplastic (atpB) Huperzia Lucidula Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit beta, chloroplastic (atpB), Recombinant Protein
Full Product Name	Recombinant Huperzia lucidula ATP synthase subunit beta, chloroplastic (atpB)
Product Gene Name	atpB recombinant protein
Product Synonym Gene Name	atpB
Sequence	MEINPFALGV STLVEKNVGY ITQIIGPVLD VAFPPGKMPN IYNSSIIKGK NPAGQEMNVT CEVQQLLGNN KVRAVAMSAT DGLTREMKVV DTGAPLSVPV GEATLGRIFN VLGEPVDNLG SVDAGTTSPI HRSAPAFAQS DTKLSIFETG IKVVDLLAPY RRGGKIGLFG GAGVGKTVLI MELINNIAKA HGGVSVFGGV GERTREGNDL YMEMKESKVI NEQNISESKV ALVYGQMNEP PGARMRVGLT ALTMAEYFRD VNKQDVLLFI DNILRFVQAG SEVSALLGRM PSAVGYQPTL GTEMGSLQER ITSTKEGSIT SIQAVYVPAD DLTDPAPATT FAHLDATTVL SRGLAAKGIY PAVDPSDSTP TMLQPWIVGE QHYETAQEVK QTLQRYKELQ DIIAILGLDE SSEEDRLTVA RARKIERFLS QPFFVAEVFT GSPGKYVTLV ETIKGFQMIL SGELDNLPEQ AFYLVGDINE ATAKAATSQV EN
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	52,905 Da
Sequence Positions	1-492, 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 Q5SCV8
Species	Huperzia lucidula (Shining clubmoss) (Lycopodium lucidulum)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpB recombinant protein	MBS1421791 is a recombinant protein targeting atpB. Also known as Recombinant Huperzia lucidula ATP synthase subunit beta, chloroplastic (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 #	60117188
NCBI GeneID	3283761
NCBI Accession #	YP_209522.1
UniProt Primary Accession #	Q5SCV8

UniProt Related Accession #	Q5SCV8
GenBank Nucleotide #	NC_006861.1
NCBI Official Full Name	ATP synthase CF1 beta subunit (chloroplast)
NCBI Official Symbol	atpB
UniProt Protein Name	ATP synthase subunit beta, chloroplastic
UniProt Synonym Protein Names	ATP synthase F1 sector subunit beta
Protein Family	ATP synthase
UniProt Gene Name	atpB
NCBI Protein Information	ATPase beta chain
UniProt Comments for atpB	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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