ATP Synthase Subunit C, Chloroplastic (atpH) Pavlova Lutherii Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit c, chloroplastic (atpH), Recombinant Protein
Full Product Name	Recombinant Pavlova lutherii ATP synthase subunit c, chloroplastic (atpH)
Product Gene Name	atpH recombinant protein
Product Synonym Gene Name	atpH
Product Synonym Names	Recombinant ATP synthase subunit c, chloroplastic (atpH); ATP synthase subunit c, chloroplastic; ATP synthase F(0) sector subunit c ATPase subunit III F-type ATPase subunit c; F-ATPase subunit c Lipid-binding protein
Sequence	MNPIISAASV IAAGLSVGLA AIGPGIGQGS AAGQALEGIA RQPEAEGKIR GTLLLSLAFM EALTIYGLVV ALSLLFANPF TAS
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	8,181 Da
Sequence Positions	1-83
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 P28530
Species	Pavlova lutherii (Monochrysis lutheri)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpH recombinant protein	MBS1251260 is a recombinant protein targeting atpH. Also known as Recombinant Pavlova lutherii ATP synthase subunit c, chloroplastic (atpH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpH 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 atpH. It may not necessarily be applicable to this product.

NCBI GI #	114650
NCBI Accession #	P28530.1
UniProt Primary Accession #	P28530
NCBI Official Full Name	ATP synthase subunit c, chloroplastic
UniProt Protein Name	ATP synthase subunit c, chloroplastic

UniProt Synonym Protein Names	ATP synthase F(0) sector subunit c; ATPase subunit III; F-type ATPase subunit c; F-ATPase subunit c; Lipid-binding protein
Protein Family	ATP synthase
UniProt Gene Name	atpH
UniProt Synonym Gene Names	F-ATPase subunit c
UniProt Entry Name	ATPH_PAVLU
UniProt Comments for atpH	Function: F1F0 ATP synthase produces ATP from ADP in the presence of a proton or sodium gradient. F-type ATPases consist of two structural domains, F1 containing the extramembraneous catalytic core and F0 containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation By similarity. HAMAP-Rule MF_01396Key component of the F0 channel; it plays a direct role in translocation across the membrane. A homomeric c-ring of between 10-14 subunits forms the central stalk rotor element with the F1 delta and epsilon subunits By similarity. HAMAP-Rule MF_01396 Subunit structure: F-type ATPases have 2 components, F1 - the catalytic core - and F0 - the membrane proton channel. F1 has five subunits: alpha3, beta3, gamma1, delta1, epsilon1. F0 has four main subunits: a1, b1, b'1 and c(10-14). The alpha and beta chains form an alternating ring which encloses part of the gamma chain. F1 is attached to F0 by a central stalk formed by the gamma and epsilon chains, while a peripheral stalk is formed by the delta, b and b' chains By similarity. Subcellular location: Plastid › chloroplast thylakoid membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_01396. Miscellaneous: In plastids the F-type ATPase is also known as CF1CF0. HAMAP-Rule MF_01396 Sequence similarities: Belongs to the ATPase C chain family.
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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