ATP Synthase Subunit a, Chloroplastic (atpI) Oenothera Glazioviana Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit a, chloroplastic (atpI), Recombinant Protein
Full Product Name	Recombinant Oenothera glazioviana ATP synthase subunit a, chloroplastic (atpI)
Product Gene Name	atpI recombinant protein
Product Synonym Gene Name	atpI
Product Synonym Names	Recombinant ATP synthase subunit a, chloroplastic (atpI); ATP synthase subunit a, chloroplastic; ATP synthase F0 sector subunit a F-ATPase subunit IV
Sequence	MDVLSCSNNT LKGLYDISGV EVGQHFYWQI GGFQVHGQVL ITSWVVIAIL LGSASIAVRN PQTIPNDSQN FFEYILEFIR DVSKTQIGEE YGPWVPFIGT MFLFIFVSNW SGALLPWKLV ELPHGELAAP TNDINTTVAL ALLTSVAYFY AGLSKKGLGY FSKYIQPTPI LLPINILEDF TKPLSLSFRL FGNILADELV VVVLVSLVPS VVPIPVMFLG LFTSGIQALI FATLAAAYIG ESMEGHH
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	27,117 Da
Sequence Positions	1-247
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.
Chromosome Location	NC_010360.1 (50597..51340)
3D Structure	ModBase 3D Structure for B0Z547
Species	Oenothera glazioviana (Large-flowered evening primrose) (Oenothera erythrosepala)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for atpI recombinant protein	MBS1127671 is a recombinant protein targeting atpI. Also known as Recombinant Oenothera glazioviana ATP synthase subunit a, chloroplastic (atpI). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of atpI 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 atpI. It may not necessarily be applicable to this product.

NCBI GI #	169142863
NCBI GeneID	5955326
NCBI Accession #	YP_001687286.1

UniProt Primary Accession #	B0Z547
UniProt Related Accession #	B0Z547
GenBank Nucleotide #	NC_010360.1
NCBI Official Full Name	ATP synthase subunit IV
NCBI Official Symbol	atpI
UniProt Protein Name	ATP synthase subunit a, chloroplastic
UniProt Synonym Protein Names	ATP synthase F0 sector subunit a; F-ATPase subunit IV
Protein Family	ATP synthase
UniProt Gene Name	atpI
UniProt Entry Name	ATPI_OENGL
NCBI Protein Information	ATP synthase CF0 A subunit
UniProt Comments for atpI	Function: Key component of the proton channel; it plays a direct role in the translocation of protons across the membrane By similarity. HAMAP-Rule MF_01393 Subunit structure: F-type ATPases have 2 components, CF1 - the catalytic core - and CF0 - the membrane proton channel. CF1 has five subunits: alpha3, beta3, gamma1, delta1, epsilon1. CF0 has four main subunits: a, b, b' and c By similarity. Subcellular location: Plastid › chloroplast thylakoid membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_01393. Sequence similarities: Belongs to the ATPase A 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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