ATP Synthase Subunit C (atpH) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP synthase subunit c (atpH), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana ATP synthase subunit c, chloroplastic (atpH)
Product Gene Name	atpH recombinant protein
Sequence	MNPLVSAASV IAAGLAVGLA SIGPGVGQGT AAGQAVEGIA RQPEAEGKIR GTLLLSLAFM EALTIYGLVV ALALLFANPF V
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
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, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	7,976 Da
Sequence Positions	1-81aa; full length protein
3D Structure	ModBase 3D Structure for P56760
Species	Arabidopsis thaliana (Mouse-ear cress)
Product Categories/Family for atpH recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for atpH recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for atpH recombinant protein	MBS7009997 is a recombinant protein targeting atpH. Also known as Recombinant Arabidopsis thaliana ATP synthase subunit c, chloroplastic (atpH). Host: Cell Free Expression.
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 #	7525020
NCBI GeneID	844788
NCBI Accession #	NP_051046.1
UniProt Primary Accession #	P56760
UniProt Related Accession #	P56760
GenBank Nucleotide #	NC_000932.1
NCBI Official Full Name	ATP synthase CF0 C subunit (chloroplast)
NCBI Official Symbol	atpH

UniProt Protein Name	ATP synthase subunit c, chloroplastic
UniProt Synonym Protein Names	ATP synthase F(0) sector subunit c
Protein Family	ATP synthase
UniProt Gene Name	atpH
UniProt Synonym Gene Names	F-ATPase subunit c
UniProt Entry Name	ATPH_ARATH
NCBI Protein Information	ATPase III subunit
UniProt Comments for atpH	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.
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