

# ATP synthase gamma chain 2, chloroplastic (ATPC2), Recombinant Protein

Cat      *RP04607*

Size      0.02 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg (*E-Coli*)/ 0.1 mg  
(*Yeast*)/ 0.02 mg (*Baculovirus*)/ 0.02 mg (*Mammalian-Cell*)/ 0.1

mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 1 mg (*Yeast*)/ 0.1 mg  
(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)  
Species      *Arabidopsis thaliana* (Mouse-ear cress)

## Full Product Name

Recombinant *Arabidopsis thaliana* ATP synthase gamma chain 2, chloroplastic (ATPC2)

## Product Gene Name

ATPC2 recombinant protein

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

AGIRELRERI DSVKNTQKIT EAMRLVAAAR VVRAQDAVIK GRPFTETLVE ILYSINQSAQ LEDIDFPLSI  
VRPVKRVALV VVTGDKGLCG GFNNAVTKKA TLRVQELKQR GIDCVVISVG KKGNAFYFSRR DEFDVDKCIE  
GGGVFPTTKE AQVIADDFVS LRVSEEVDKV ELVYTKFVSL VKSDPVIHTL LPLSMKGESC DVKGECVDI  
EDEMFRITSK DGKLAVERTK LEVEKPEISP LMQFEQDPVQ ILDAMMPYLY NSQILRALQE SLASELASRM  
NAMSNDTNA VELKKNLTMA YNRARQAKIT GELLEIVAGA EALRES

## Sequence Positions

61-386, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

*E Coli* or *Yeast* or *Baculovirus* or *Mammalian Cell*

## Molecular Weight

42,679 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week.  
Repeated freezing and thawing is not recommended.

## Protein Family

ATP synthase

## NCBI Accession #

NP\_173022.1

## NCBI GI #

15218281

## NCBI GenBank Nucleotide #

NM\_101438.2

## NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size      0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

838139 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

## NCBI Official Full Name

ATPase, F1 complex, gamma subunit protein

## NCBI Official Symbol

ATPC2

## NCBI Official Synonym Symbols

F7H2.4; F7H2\_4

## NCBI Protein Information

ATPase, F1 complex, gamma subunit protein

## NCBI Summary

One of two genes that encode the gamma subunit of Arabidopsis chloroplast ATP synthase. It is thought to be involved in the regulation of the ATP synthase activity.

## UniProt Gene Name

ATPC2

## UniProt Protein Name

ATP synthase gamma chain 2, chloroplastic

## UniProt Synonym Protein Names

F-ATPase gamma subunit 2

## UniProt Primary Accession #

Q01909

## UniProt Related Accession #

Q01909

## UniProt Comments

Produces ATP from ADP in the presence of a proton gradient across the membrane. The gamma chain is believed to be important in regulating ATPase activity and the flow of protons through the CF0 complex.

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