

ATP synthase protein MI25 (AtMg00640) (orf25), Recombinant Protein

Cat *RP00366*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* ATP synthase protein MI25 (AtMg00640)

Product Synonym Names

Recombinant ATP synthase protein MI25 (AtMg00640); ATP synthase protein MI25; ORF25

Product Gene Name

orf25 recombinant protein

Purity

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

Sequence

MRLSITNMDG RKMLFAAILS ICALSSKKIL IYNEEMIVAL CFIGFIIFSR KSLGTTFKVT LDGSLQAIQE
ELQQFPNPNE VVLLESNEQQ RLLRISLRIC GTVVESLPMA RCAPKCEKTQ QALLCRNLNV KLATLTNAIS
SRRIRFQDDL VTKFYTLVGK QFAYSCISKA ERVEFIRESL VVLRMVRGGV FS

Sequence Positions

1-192

Chromosome Location

Chromosome: MT; NC_001284.2 (188084..188662, complement)

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

21,693 Da

Storage

Store at -20°C. For extended storage, store at -20 or -80°C.

Protein Family

Putative transmembrane protein

NCBI Accession

NP_085524.1

NCBI GI

13449342

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat *RP00366*

NC_001284.2

NCBI GenelD

814597

NCBI Official Full Name

orf25

NCBI Official Symbol

orf25

NCBI Protein Information

orf25

UniProt Protein Name

ATP synthase protein MI25

UniProt Synonym Protein Names

ORF25

UniProt Entry Name

MI25_ARATH

UniProt Primary Accession

Q04613

UniProt Secondary Accession

A7KNI5

UniProt Related Accession

CAA69748

UniProt Comments

Function: This is one of the chains of the nonenzymatic component (CF0 subunit) of the mitochondrial ATPase complex. 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 three main subunits: a, b and c. By similarity. Subcellular location: Mitochondrion membrane; Single-pass membrane protein. Sequence similarities: Belongs to the ATPase protein MI25 family. RNA editing: Edited at positions 30, 72, 83, 84, 132 and 139.

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