ATP synthase 6 kDa subunit, mitochondrial, Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP15408*

Size *0.05 mg (E-Coli)/ 0.2 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.5 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.2 mg (Yeast)/ 1 mg (E-Coli)/ 0.5 mg (Yeast)/ 0.1 mg (Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg (B*

Species
Solanum tuberosum (Potato)

Full Product Name
Recombinant Solanum tuberosum ATP synthase 6 kDa subunit, mitochondrial

Product Synonym Names
Recombinant ATP synthase 6 kDa subunit, mitochondrial; ATP synthase 6 kDa subunit, mitochondrial

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

Sequence
MRQFDPWPVF FRREWSRNQP FLVXF

Sequence Positions
1-25aa; 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
3,298 Da

Storage
Store at -20℃. For extended storage, store at -20 or -80℃.

Protein Family
ATP synthase

NCBI Accession
P80497.1

NCBI GI
1352054

NCBI Official Full Name
ATP synthase 6 kDa subunit, mitochondrial

UniProt Protein Name
ATP synthase 6 kDa subunit, mitochondrial

UniProt Entry Name
ATPY_SOLTU

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Primary Accession

P80497

UniProt Comments

Function: Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. 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. Part of the complex F0 domain.Subcellular location: Mitochondrion. Mitochondrion inner membrane.

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