ADP,ATP carrier protein, mitochondrial (ANT1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP15277*

Species
Solanum tuberosum (Potato)

Full Product Name
Recombinant Solanum tuberosum ADP,ATP carrier protein, mitochondrial (ANT1)

Product Synonym Names
Recombinant ADP,ATP carrier protein, mitochondrial (ANT1); ADP,ATP carrier protein, mitochondrial; ADP/ATP translocase Adenine nucleotide translocator; ANT

Product Gene Name
ANT1 recombinant protein

Product Synonym Gene Name
ANT1; AAC

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

Sequence
PQEKGLAAFA TDFLMGGVSA AVSKTAAAPI ERVKLLIQNQ DEMIKAGRLS EPYKGIGDCF SRTIKDEGFA ALWRGNTANV IRYFPTQALN FAFKDYFKRL FNFKKDRDGY WKWFAGNLAS GGGAGASSLL FVYSLDYART RLANDAKAAK KGGGGRQFDG LVDVYRKTLK SDGVAGLYRG FNISCVGIIV YRGLYFGMYD SLKPVLLTGK MEDSFFASFA LGWLITNGAG LASYPIDTVR RRMMMTSGEA VKYKSSFDAF NQILKNEGPK SLFKGAGANV LRAVAGAGVL AGYDKLQVIV FGKKYGSGGG

Sequence Positions
77-386

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

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
41,829 Da

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

Protein Family
Amino acid transporter

NCBI Accession
P27081.1

NCBI GI

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Plant Protein

113461

NCBI Official Full Name

ADP,ATP carrier protein, mitochondrial

UniProt Gene Name

ANT1

UniProt Synonym Gene Names

AAC; ANT

UniProt Protein Name

ADP,ATP carrier protein, mitochondrial

UniProt Synonym Protein Names

ADP/ATP translocase; Adenine nucleotide translocator

UniProt Entry Name

ADT2_SOLTU

UniProt Primary Accession

P27081

UniProt Comments

Function: Catalyzes the exchange of ADP and ATP across the mitochondrial inner membrane.Subunit structure: Homodimer.Subcellular location: Mitochondrion inner membrane; Multi-pass membrane protein. Miscellaneous: The transmembrane helices are not perpendicular to the plane of the membrane, but cross the membrane at an angle. At least 2 of the odd-numbered transmembrane helices exhibit a sharp kink, due to the presence of a conserved proline residue By similarity.Sequence similarities: Belongs to the mitochondrial carrier (TC 2.A.29) family. Contains 3 Solcar repeats.

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