Preprotein translocase subunit SECY, chloroplastic (SECY), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP19734*

Size *1 mg (E-Coli)/1 mg (Yeast)*

Species
Spinacia oleracea (Spinach)

Full Product Name
Recombinant Spinacia oleracea Preprotein translocase subunit SECY, chloroplastic (SECY), partial

Product Gene Name
SECY recombinant protein

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

Sequence
FLTLLGLLAL SRLGIYVPLG G

Sequence Positions
139-159

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

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
58,501 Da

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

Protein Family
Protein translocase

NCBI Accession
P93690.1

NCBI GI
12230582

NCBI Official Full Name
Preprotein translocase subunit SECY, chloroplastic

UniProt Gene Name
SECY

UniProt Protein Name
Preprotein translocase subunit SECY, chloroplastic

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Synonym Protein Names

CpSecY

UniProt Primary Accession

P93690

UniProt Comments

The central subunit of the protein translocation channel SecYE. Consists of two halves formed by TMs 1-5 and 6-10. These two domains form a lateral gate at the front which open onto the bilayer between TMs 2 and 7, and are clamped together by SecE at the back. The channel is closed by both a pore ring composed of hydrophobic SecY resides and a short helix (helix 2A) on the extracellular side of the membrane which forms a plug.

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