

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

Cat *RP18168*

Species

Pisum sativum (Garden pea)

Full Product Name

Recombinant *Pisum sativum* Preprotein translocase subunit SECY, chloroplastic (SECY), partial

Product Gene Name

SECY recombinant protein

Product Synonym Gene Name

SECY

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

57,556 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

Protein translocase

NCBI Accession

Q9XQU4.1

NCBI GI

12230545

NCBI Official Full Name

Preprotein translocase subunit SECY, chloroplastic

UniProt Gene Name

SECY

UniProt Protein Name

Preprotein translocase subunit SECY, chloroplastic

UniProt Synonym Protein Names

CpSecY

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

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UniProt Primary Accession

Q9XQU4

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 residues and a short helix (helix 2A) on the extracellular side of the membrane which forms a plug.

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