

Protein transport protein Sec24-like CEF (CEF), Recombinant Protein

Cat RP00442

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Protein transport protein Sec24-like CEF (CEF) , partial

Product Gene Name

CEF recombinant protein

Product Synonym Gene Name

CEF

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

117,691 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

NCBI Accession

NP_001326943.1

NCBI GI

1063714877

NCBI GenBank Nucleotide

NM_001339129.1

NCBI GeneID

823559

NCBI Official Full Name

hypothetical protein AT3G44340

NCBI Official Symbol

CEF

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Synonym Symbols

clone eighty-four

NCBI Protein Information

hypothetical protein

NCBI Summary

homologous to yeast and animal Sec24 proteins; expression in yeast cells enhances their survival under oxidative stress conditions.

UniProt Gene Name

CEF

UniProt Protein Name

Protein transport protein Sec24-like CEF

UniProt Primary Accession

Q9M291

UniProt Secondary Accession

A0A1I9LQT4; F4J1Y1

UniProt Related Accession

Q9M291

UniProt Comments

Component of the COPII coat, that covers ER-derived vesicles involved in transport from the endoplasmic reticulum to the Golgi apparatus. COPII is composed of at least five proteins: the SEC23/24 complex, the SEC13/31 complex, and the protein SAR1. Acts in the cytoplasm to promote the transport of secretory, plasma membrane, and vacuolar proteins from the endoplasmic reticulum to the Golgi complex .

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