Signal recognition particle 14 kDa protein (SRP14), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP05091*

Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Signal recognition particle 14 kDa protein (SRP14)

Product Gene Name
SRP14 recombinant protein

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

Sequence
MVLLQLDPFL NELTSMFEKS KEKGSVWVTL KRSSLKSKVQ KRKLSSVGES IEYRCLIRAT DGKKTVSTSV GAKDHQRFQA SYATILKAHM TALKKRERKD RKKSTEAEKK ESTSTTKSKK L

Sequence Positions
1-121, 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
13,781 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
Signal recognition particle

NCBI Accession
NP_001078050.1

NCBI GI
145331117

NCBI GenBank Nucleotide
NM_001084581.2

NCBI GeneID
818966

NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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https://www.cd-biosciences.com/plant-protein/

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Signal recognition particle, SRP9/SRP14 subunit

NCBI Official Symbol
AT2G43640

NCBI Official Synonym Symbols
F18O19.25

NCBI Protein Information
Signal recognition particle, SRP9/SRP14 subunit

UniProt Gene Name
SRP14

UniProt Synonym Gene Names
SRP14

UniProt Protein Name
Signal recognition particle 14 kDa protein

UniProt Primary Accession
O04421

UniProt Secondary Accession
O22839; Q53YG7

UniProt Related Accession
O04421

UniProt Comments
Signal-recognition-particle assembly has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. SRP9 together with SRP14 and the Alu portion of the SRP RNA, constitutes the elongation arrest domain of SRP. The complex of SRP9 and SRP14 is required for SRP RNA binding .

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