

Ferredoxin-thioredoxin reductase catalytic chain, chloroplastic (FTR-C), Recombinant Protein

Cat RP19645

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

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Spinacia oleracea (Spinach)

Full Product Name

Recombinant Spinacia oleracea Ferredoxin-thioredoxin reductase catalytic chain, chloroplastic

Product Gene Name

FTR-C recombinant protein

Purity

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

Sequence

VEPSDKSVEI MRKFSEQYAR KSGTYFCVDK GVTSVVIKGL AEHKDSLGA LCPCRYDDK AAATQGFWN
CPCVPMRERK ECHCMLFLTP ENDFAGKDQT IGLDEIREVT ANM

Sequence Positions

36-148, 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

16,676 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

Ferredoxin-thioredoxin reductase

NCBI Accession

P41349.1

NCBI GI

729537

NCBI Official Full Name

Ferredoxin-thioredoxin reductase catalytic chain, chloroplastic

UniProt Gene Name

FTR-C

UniProt Synonym Gene Names

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

FTR-B mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

UniProt Protein Name

Ferredoxin-thioredoxin reductase catalytic chain, chloroplastic

UniProt Synonym Protein Names

B1; Ferredoxin-thioredoxin reductase subunit B; FTR-B

UniProt Primary Accession

P41349

UniProt Comments

Catalytic subunit of the ferredoxin-thioredoxin reductase (FTR), which catalyzes the two-electron reduction of thioredoxins by the electrons provided by reduced ferredoxin.

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