

Ferredoxin-thioredoxin reductase catalytic chain, chloroplastic (Os09g0249900, LOC_Os09g07570), Recombinant Protein

Cat *RP14144*

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-Oryza sativa subsp. japonica (Rice Cell))

Species

Full Product Name

Recombinant Oryza sativa subsp. japonica Ferredoxin-thioredoxin reductase catalytic chain, chloroplastic (Os09g0249900, LOC_Os09g07570)

Product Gene Name

Os09g0249900 recombinant protein

Product Synonym Gene Name

Os09g0249900; LOC_Os09g07570

Purity

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

Sequence

VQAGAAGADA SDKSLEIMRK FSEQYARRSN TFFCSEKSVT AVVIKGLADH KDQLGAPLCP CRHYDDKAAE
VAQGFWNCP VPMRERKECH CMLFLTPDND FAGQDQAITL EEIKDATSKI

Sequence Positions

27-146, 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

16,101 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.

NCBI Accession

XP_015651145.1

NCBI GI

1002293613

NCBI GenBank Nucleotide

XM_015795659.1

NCBI GeneID

4346508

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Ferredoxin-thioredoxin reductase catalytic chain, chloroplastic (Os09g0249900, LOC_Os09g07570), Recombinant Protein

Cat *RP14144*

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)
NCBI Official Full Name
ferredoxin-thioredoxin reductase catalytic chain, chloroplastic

NCBI Official Symbol

LOC4346508

NCBI Official Synonym Symbols

FTR-B; FTR-C; OsJ_28527; OJ1116_H10.13; OJ1695_A02.34

NCBI Protein Information

ferredoxin-thioredoxin reductase catalytic chain, chloroplastic

UniProt Gene Name

Os09g0249900

UniProt Synonym Gene Names

FTR-C; FTR-B

UniProt Protein Name

Ferredoxin-thioredoxin reductase catalytic chain, chloroplastic

UniProt Synonym Protein Names

Ferredoxin-thioredoxin reductase subunit B; FTR-B

UniProt Primary Accession

Q6K471

UniProt Secondary Accession

Q0J376; A0A0P0XJ79

UniProt Related Accession

Q6K471

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.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY