

Ferredoxin-thioredoxin reductase, variable chain (FTR-V), Recombinant Protein

Cat *RP10320*

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

Species (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Zea mays (Maize) Cell)

Full Product Name

Recombinant Zea mays Ferredoxin-thioredoxin reductase, variable chain

Product Gene Name

FTR-V recombinant protein

Purity

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

Sequence

EVASDDVAEE EAAAAPKIGR RVRVTAPLRV YHVLKAPDLD IQGMEGVVKQ YVCVWKGKRV TANFPFKVEF ELAVEGQPKP VRFFAHLRED EFEFVDG

Sequence Positions

1-97, 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

10,886 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

P80680.1

NCBI GI

2498397

NCBI Official Full Name

Ferredoxin-thioredoxin reductase, variable chain

UniProt Gene Name

FTR-V

UniProt Synonym Gene Names

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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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

FTR-A (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg

(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

UniProt Protein Name

Ferredoxin-thioredoxin reductase, variable chain

UniProt Synonym Protein Names

Ferredoxin-thioredoxin reductase subunit A; FTR-A

UniProt Primary Accession

P80680

UniProt Comments

Variable 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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