# Thioredoxin F, chloroplastic (Os01g0913000, LOC\_Os01g68480), Recombinant Protein



Cat RP14485

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg

(Veast)/ 0.02 ma (Raculovirus)/ 1.ma (F-Coli)/ 0.02 ma

(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Species Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Oryza sativa subsp. japonica (Rice)

#### **Full Product Name**

Recombinant Oryza sativa subsp. japonica Thioredoxin F, chloroplastic (Os01g0913000, LOC\_Os01g68480)

#### **Product Gene Name**

Os01g0913000 recombinant protein

## **Product Synonym Gene Name**

Os01g0913000; LOC\_Os01g68480

## **Purity**

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

### Sequence

AEAVAVTGQV TEVNKDTFWP IVKSAGPKVV VLDMYTQWCG PCKVMAPKFQ EMSEKDQDVV FLKLDCNQDN KSLAKELGIK VVPTFKILKD GKVVKEVTGA KLDELIQAIE TVKSS

## **Sequence Positions**

73-187, 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**

19,747 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

Thioredoxin

## **NCBI Accession #**

XP\_015616604.1

#### NCBI GI#

1002232397

#### NCBI GenBank Nucleotide #

XM 015761118.1

#### **NCBI GenelD**

#### FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967

Tel: 1-631-637-0420

E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

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Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg

(Veast)/ 0 02 ma (Raculovirus)/ 1 ma (F-Coli)/ 0 02 ma

4324320 (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg

NCBI Official Full Name (Baculovirus)/ 0.5 mg (Mammalian-

thioredoxin F, chloroplastic

# **NCBI Official Symbol**

LOC4324320

# **NCBI Official Synonym Symbols**

OsTrxf; OsTrx03; OsJ\_04513

#### **NCBI Protein Information**

thioredoxin F, chloroplastic

#### **UniProt Gene Name**

Os01g0913000

## **UniProt Synonym Gene Names**

OsTrxf

#### **UniProt Protein Name**

Thioredoxin F, chloroplastic

# **UniProt Synonym Protein Names**

OsTrx03

# **UniProt Primary Accession #**

Q8S091

# **UniProt Secondary Accession #**

A0A0P0VBW7

### **UniProt Related Accession #**

Q8S091

#### **UniProt Comments**

Thiol-disulfide oxidoreductase involved in the redox regulation of enzymes of both reductive pentose phosphate pathway (Calvin-Benson cycle) and oxidative pentose phosphate pathway.

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