

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
(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)

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 GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

4324320 (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

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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