

Thioredoxin H-type (TRXH), Recombinant Protein

Cat *RP11341*

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-
Oryza sativa subsp. indica (Rice)
Cell)

Full Product Name

Recombinant Oryza sativa subsp. indica Thioredoxin H-type (TRXH)

Product Gene Name

TRXH recombinant protein

Purity

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

Sequence

MAAEEGVVIA CHNKDEFDAQ MTKAKEAGKV VIIDFTASWC GPCRFIAPVF AEYAKKFPGA VFLKVDVDEL
KEVAEKYNVE AMPTFLFIKD GAEADKVVGA RKDDLQNTIV KHVGATAASA SA

Sequence Positions

1-122, 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

13,156 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

A2YIW7.1

NCBI GI

158513158

NCBI Official Full Name

Thioredoxin H-type

UniProt Gene Name

TRXH

UniProt Synonym Gene Names

Trx-H

UniProt Protein Name

Thioredoxin H-type

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Thioredoxin H-type (TRXH), Recombinant Protein

Cat *RP11341*

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)

Phloem sap 13 kDa protein 1

UniProt Primary Accession

A2YIW7

UniProt Secondary Accession

O04743; Q42443; Q7EZX7

UniProt Comments

Participates in various redox reactions through the reversible oxidation of the active center dithiol to a disulfide.
The H form is known to activate a number of cytosolic enzymes .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY