

Monothiol glutaredoxin-S1, mitochondrial (GRXS1), Recombinant Protein

Cat *RP12795*

Size 0.02 mg (*E-Coli*)/ 0.1 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg
(*Yeast*)/ 0.02 mg (*Baculovirus*)/ 0.02 mg (*Mammalian-Cell*)/ 1

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

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Monothiol glutaredoxin-S1, mitochondrial (GRXS1)

Product Gene Name

GRXS1 recombinant protein

Product Synonym Gene Name

GRXS1

Purity

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

Sequence

SPGLGGDSRG SGDSSSTRVA ADPDTHQDFQ PTSKSSNMSF DDIVAQDIKE NPVLIYMKGF PESPMCGFSA
LAVKVLKLYD VPISARDILG DLKLKECVKA HTNWPTFPQI FIKGEFVGGS DIILDMHQKG QLKDVLGDIA
QKHEQKESS

Sequence Positions

37-185, 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

20,180 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

Monothiol glutaredoxin

NCBI Accession

XP_015621545.1

NCBI GI

1002234683

NCBI GenBank Nucleotide

XM_015766059.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Monothiol glutaredoxin-S1, mitochondrial (GRXS1), Recombinant Protein

Cat *RP12795*

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GeneID

4327130

NCBI Official Full Name

monothiol glutaredoxin-S1, mitochondrial

NCBI Official Symbol

LOC4327130

NCBI Official Synonym Symbols

GRXS1

NCBI Protein Information

monothiol glutaredoxin-S1, mitochondrial

UniProt Gene Name

GRXS1

UniProt Protein Name

Monothiol glutaredoxin-S1, mitochondrial

UniProt Primary Accession

Q0JQ97

UniProt Secondary Accession

Q5VR05; A0A0P0UYU1; B7E5J7

UniProt Related Accession

Q0JQ97

UniProt Comments

May only reduce GSH-thiol disulfides, but not protein disulfides.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY