

# Glutaredoxin-C6 (GRXC6), Recombinant Protein

Cat      *RP05413*

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

Species      mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg  
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-  
Arabidopsis thaliana (Mouse-ear cress)  
Cell)

## Full Product Name

Recombinant Arabidopsis thaliana Glutaredoxin-C6 (GRXC6)

## Product Gene Name

GRXC6 recombinant protein

## Product Synonym Gene Name

GRXC6

## Purity

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

## Sequence

MMQELGLQRF SNDVRLDLT PPSQTSSTSL SIDEESTEA KIRRLISEHP VIIFSRSSCC MCHVMKRLLA  
TIGVIPTVIE LDDHEVSSLP TALQDEYSGG VSVVGPPPAV FIGRECVGGL ESLVALHLSG QLVPKLVQVG ALWV

## Sequence Positions

1-144, 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

15,566 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

Glutaredoxin

## NCBI Accession #

NP\_195030.1

## NCBI GI #

15234046

## NCBI GenBank Nucleotide #

NM\_119458.4

## NCBI GeneID

829441

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-  
Cell)  
Thioredoxin superfamily protein

## NCBI Official Full Name

## NCBI Official Symbol

AT4G33040

## NCBI Official Synonym Symbols

F4I10.5

## NCBI Protein Information

Thioredoxin superfamily protein

## UniProt Gene Name

GRXC6

## UniProt Synonym Gene Names

ROXY21; AtGrxC6

## UniProt Protein Name

Glutaredoxin-C6

## UniProt Synonym Protein Names

Protein ROXY 21

## UniProt Primary Accession #

Q8L9S3

## UniProt Secondary Accession #

O82644; C1JGR1

## UniProt Related Accession #

Q8L9S3

## UniProt Comments

Has a glutathione-disulfide oxidoreductase activity in the presence of NADPH and glutathione reductase.  
Reduces low molecular weight disulfides and proteins .

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