

# Glutaredoxin-C8 (GRXC8), Recombinant Protein

Cat RP05407

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 Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Glutaredoxin-C8 (GRXC8)

## Product Gene Name

GRXC8 recombinant protein

## Product Synonym Gene Name

GRXC8

## Purity

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

## Sequence

MQYKTETRGS LSYNNNSKVM NNMNVFPSET LAKIESMAAE NAVVIFSVST CCMCHAIKRL FRGMGVSPAV  
HELDLLPYGV EIHRALLRLL GCSSGGATSP GALPVVFIGG KMVGAMERVM ASHINGSLVP LLKDAGALWL

## Sequence Positions

1-140, 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

14,970 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\_196911.1

## NCBI GI #

15241297

## NCBI GenBank Nucleotide #

NM\_121410.3

## NCBI GeneID

831256

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

# Glutaredoxin-C8 (GRXC8), Recombinant Protein

Cat      *RP05407*

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)  
Thioredoxin superfamily protein

## NCBI Official Full Name

## NCBI Official Symbol

ROXY2

## NCBI Official Synonym Symbols

MUA22.7; MUA22\_7

## NCBI Protein Information

Thioredoxin superfamily protein

## NCBI Summary

Encodes glutaredoxin ROXY2. ROXY2, together with ROXY1 (AT3G02000), controls anther development. roxy1 roxy2 double mutants are sterile and do not produce pollen.

## UniProt Gene Name

GRXC8

## UniProt Synonym Gene Names

ROXY2; AtGrxC8

## UniProt Protein Name

Glutaredoxin-C8

## UniProt Synonym Protein Names

Protein ROXY 2

## UniProt Primary Accession #

Q8LF89

## UniProt Secondary Accession #

Q9FMU3; B0FL43

## UniProt Related Accession #

Q8LF89

## UniProt Comments

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

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**