

# Glutathione reductase, cytosolic (GRC2), Recombinant Protein

Cat      *RP11252*

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

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

## Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Glutathione reductase, cytosolic (GRC2)

## Product Gene Name

GRC2 recombinant protein

## Purity

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

## Sequence

MARKMLKDEE VEVAVTDGGS YDYDLFVIGA GSGGVRGSRT SASFGAKVAI CELPFHPISS DWQGGHGGTC  
VIRGCVPKKI LVYGSSFRGE FEDAKNFGWE INGDIINFNWK RLLENKTQEI VRLNGVYQRI LGNSGVMTIE  
GAGSLVDAHT VEVTKPDGSK QRYTAKHILI ATGSRAQRVN IPGKELAITS DEALSLEELP KRAVILGGGY  
IAVEFASIWK GMGAHVDFLY RKELPLRGFD DEMRTVVASN LEGRGIRLHP GTNLSELSKT ADGIKVVTDK  
GEEIADVVL FATGRTPNSQ RLNLEAAGVE VDNIGAIKVD DYSRTSVPNI WAVGDVTNRI NLTPVALMEA  
TCFSKTVFGG QPTKPDYRDV PCAVFSIPPL SVVGLSEQQA LEEAKSDVLV YTSSFNPMKN SISKRQEKTV  
MKLVVDSETD KVLGASMCGP DAPEIIQGMA VALKCGATKA TFDSTVGIHP SAAEEFVTMR TLTRRVSPSS  
KPKTNL

## Sequence Positions

1-496, 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

53,507 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 #

XP\_015626808.1

## NCBI GI #

1002245252

## NCBI GenBank Nucleotide #

XM\_015771322.1

## NCBI GeneID

4331112

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
glutathione reductase, cytosolic

## NCBI Official Symbol

LOC4331112

## NCBI Official Synonym Symbols

GR; GRC2; GRase; RGRC2; OsJ\_08842; OJ1293\_E04.4-1

## NCBI Protein Information

glutathione reductase, cytosolic

## UniProt Gene Name

GRC2

## UniProt Synonym Gene Names

RGRC2; GR; GRase

## UniProt Protein Name

Glutathione reductase, cytosolic

## UniProt Primary Accession #

P48642

## UniProt Secondary Accession #

Q0DWI9; Q6K3E8; Q8GRV3; Q9ZNS8; A0A0P0VR51

## UniProt Related Accession #

P48642

## UniProt Comments

Maintains high levels of reduced glutathione in the cytosol.

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