

Glutathione reductase, chloroplastic (GR), Recombinant Protein

Cat RP19712

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)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Spinacia oleracea (Spinach)
Cell)

Full Product Name

Recombinant Spinacia oleracea Glutathione reductase, chloroplastic

Product Gene Name

GR recombinant protein

Purity

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

Sequence

NHSTVEDDAA NYDFDLFVIG AGSGGVRAAR FSANLGAKVG ICELPFHPIS SEVIGGVGGT CVIRGCVPKK
ILVYGASFGG ELEDKNYGW ELNEKIDFNW KKLLQKKTDE IIRLNNIYKR LLSNAGVKLY EGEDKIVGPN
EVQVTQLDGT KLSYSAKHIL IATGSRAQRP NIPGQELAIT SDEALSLEEF PKRVVILGGG YISVEFASIW
RGMGADVNLG FRKELPLRGF DDEMRAAVAR NLEGRGVNVH PRRTLTELVK TDGGVVARTD HGEEIEADV
LFATGRSPNT KRLNLEALGV ELDRTGAVKV DEYSRTSVPS IWAIGDVTNR MNLTPVALME GTCFAKTVFG
GQNSKPDYSN IACAVFSIPP LAVVGLSEEQ AIEQASGDIL VFTSSFNPMK NTISGRQEKT IMKLVVDAET
DKVLGASMCG PDAAEIMQGI AIALKFGATK AQFDSTVGIH PSAAEEFVTM REPSRRVPGA GKPKTNL

Sequence Positions

3-489, 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

52,611 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

Q43154.1

NCBI GI

2500115

NCBI Official Full Name

Glutathione reductase, chloroplastic

UniProt Gene Name

GR

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Glutathione reductase, chloroplastic (GR), Recombinant Protein

Cat *RP19712*

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*

UniProt Synonym Gene Names
GRase (Mammalian-Cell)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

UniProt Protein Name

Glutathione reductase, chloroplastic

UniProt Primary Accession

Q43154

UniProt Comments

Maintains high levels of reduced glutathione in the chloroplast.

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