

Glutathione reductase, chloroplastic (GOR), Recombinant Protein

Cat RP17201

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
Species (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Nicotiana tabacum (Common tobacco)
Cell)

Full Product Name

Recombinant Nicotiana tabacum Glutathione reductase, chloroplastic (GOR)

Product Gene Name

GOR recombinant protein

Purity

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

Sequence

ESSNGADAPR HYDFDLFTIG AGSGGVRASR FASNFGASVA VCELPFSTIS SDSTGGVGGT CVLRGCVPKK
LLVYASKYSH EFEESCGFGW NYDVEPRFDW STLIANKNAE LQRLTGIYKN ILKNAGVTLI EGRGKVVDPH
TVDVDGKLYS AKNILISVGG RPFIPDIPGS EYAIDSDAAL DLPTKPNKIA IVGGGYIALE FAGIFNGLKS
EVHVFIRQKK VLRGFDEEIR DVFGEQMSLR GIEFHTEESP QAIVKSADGS LSLKTSRGTV EGFSHIMFAT
GRRPNTKNLG LETVGKMTK NGAIEVDEYS RTSVPSIWAV GDVTDRINLT PVALMEGGAL AKTIFAHEPT
KPDYRNVPAV VFSQPPIGQV GLMEEQAIKE FGDVDVYTAN FRPLKATISG LPDRVFMKLI VCAKTSKVLG
LHMCGDDAPE IVQGFAIAVK AGLTKADFDA TVGIHPTSAE EFVTMRTPTR KVRSSPSEGK AEHDIKAAAG V

Sequence Positions

67-557, 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

60,035 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

Glyceraldehyde-3-phosphate:ferredoxin oxidoreductase

NCBI Accession

P80461.1

NCBI GI

1708059

NCBI Official Full Name

Glutathione reductase, chloroplastic

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Glutathione reductase, chloroplastic (GOR), Recombinant Protein

Cat *RP17201*

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 Gene Name
GOR *mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

UniProt Synonym Gene Names

GR; GRase

UniProt Protein Name

Glutathione reductase, chloroplastic

UniProt Primary Accession

P80461

UniProt Comments

Maintains high levels of reduced glutathione in the chloroplast.

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