

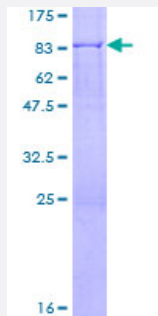
Full-Length

GSR (Human) Recombinant Protein (P01)

Catalog # H00002936-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GSR full-length ORF (NP_000628.2, 1 a.a. - 522 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALLPRALSAGAGPSWRRRAARAFRGFLLLLPEPAALTRALSRAMACRQEPQPQGPPPAAGAVA
SYDYLVIIGGGSGGLASARRAAELGARAAVVESHKLGGTVCNVGCVPKVMWNTAVHSEFMHDH
ADYGFPSCEGKFNWRVKEKRDAYVSRNIAIQNNLTSHIEIIRGHAAFTSDPKPTIEVSGKKYTAP
HILATGGMPSTPHESQIPGASLGITSDGFFQLEELPGRSVVAGGYAVEMAGILSALGSKTSLMIRH
DKVLRSFDSMISTNCTEELNAGVEVLKFSQVKEVKKTLGLEVSMVTAVPGRLPVMTMIPDVD
CLLWAIGRVPNTKDLNKLGIQTDDKGHIIVDEFQNTNVKGYAVGDVCGKALLTPVAIAAGRKLA
HRLFEYKEDSKLDYNNIPTVVFSHPPIGTVGLTEDEAIHKYGIENVKTYSTSFPMYHAVTKRKTKCV
MKMVCANKEEKVVGIHMQGLGCDEMLQGFVAVKMGATKADFDNTVAIHPTSSEELVTLR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

82.7

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GSR

Entrez GeneID[2936](#)**GeneBank Accession#**[NM_000637.2](#)**Protein Accession#**[NP_000628.2](#)**Gene Name**

GSR

Gene Alias

MGC78522

Gene Description

glutathione reductase

Omim ID[138300](#)**Gene Ontology**[Hyperlink](#)**Other Designations**

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Pathway

- [Glutathione metabolism](#)

Disease

- [Alzheimer disease](#)
- [Arsenic Poisoning](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [DNA Damage](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Tobacco Use Disorder](#)