

Recombinant Rat Gclc protein, His-tagged

Cat. No. Gclc-8217R **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Rat Gclc aa. (Asp435~Ser636 (Accession # P19468)) fused with N-terminal His tag was produced in E. coli cells. |
| Species | Rat |
| Source | E.coli |
| ProteinLength | Asp435~Ser636 |
| Description | Catalyzes the first step in the synthesis of glutathione. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 24.2kDa. |
| Endotoxin | <1.0EU per 1ug (determined by the LAL method) |
| Purity | >95% |
| Characteristic | The isoelectric point is 5.7. |
| Applications | SDS-PAGE; WB; ELISA; IP. |
| Stability | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

| | |
|-----------------------|--|
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| Storage Buffer | Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl. |
| Reconstitution | Reconstitute in sterile PBS, pH7.2-pH7.4. |

GENE INFORMATION

Gene Name [Gclc glutamate-cysteine ligase, catalytic subunit \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol [Gclc](#)

Synonyms Gclc; glutamate-cysteine ligase, catalytic subunit; Glclc; GCS heavy chain; Glutamylcysteine gamma synthetase light chain; gamma-ECS; gamma-glutamylcysteine synthetase

Gene ID [25283](#)

mRNA Refseq [NM_012815.2](#)

Protein Refseq [NP_036947.1](#)

UniProt ID [P19468](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA