

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

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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

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