

Recombinant Rat Gck protein, His & GST-tagged

Cat. No. Gck-749R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gck aa. (Asp194~Gly410 (Accession # P17712)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Asp194~Gly410
Description	Catalyzes the conversion of ATP and D-glucose to ADP and D-glucose 6-phosphate; may mediate glucosensing in glucose-inhibited and glucose-excited neurons.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 4.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

 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

accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate 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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in sterile ddH₂O.

GENE INFORMATION

Gene Name

Gck glucokinase [*Rattus norvegicus* (Norway rat)]

Official Symbol

Gck

Synonyms

GLK; GLUKA; RNGK2; HK IV; HK4; glucokinase variant 3; hexokinase type IV; hexokinase-4; hexokinase-D; glucokinase

Gene ID

24385

mRNA Refseq

NM_001270849.1

Protein Refseq

NP_001257778.1

UniProt ID

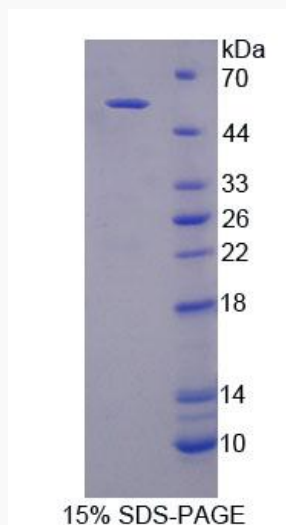
P17712

 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

SDS-PAGE



 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