

Recombinant Rat Gcat Protein, His-tagged

Cat. No. Gcat-1570R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gcat Protein (Tyr221-Pro416) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Tyr221-Pro416
Description	Predicted to enable glycine C-acetyltransferase activity; ligase activity; and pyridoxal phosphate binding activity. Predicted to be involved in biosynthetic process and threonine catabolic process. Predicted to be located in nuclear speck. Predicted to be active in mitochondrion. Orthologous to human GCAT (glycine C-acetyltransferase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.6 kDa Accurate Molecular Mass: 25 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

Gcat glycine C-acetyltransferase [*Rattus norvegicus* (Norway rat)]

Official Symbol

Gcat

Synonyms

GCAT; glycine C-acetyltransferase; 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial; glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase); MGC109060;

Gene ID

366959

mRNA Refseq

NM_001024277

Protein Refseq

NP_001019448

UniProt ID

Q562C3

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