

Recombinant Mouse Gcat Protein, His-tagged

Cat. No. Gcat-1569M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gcat Protein (Gly59-Phe226) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly59-Phe226
Description	Predicted to enable glycine C-acetyltransferase activity and pyridoxal phosphate binding activity. Predicted to be involved in biosynthetic process and threonine catabolic process. Located in mitochondrial inner membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; integumental system; and sensory organ. Orthologous to human GCAT (glycine C-acetyltransferase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.1 kDa Accurate Molecular Mass: 22 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 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 (2-amino-3-ketobutyrate-coenzyme A ligase) [<i>Mus musculus</i> (house mouse)]
Official Symbol	Gcat
Synonyms	GCAT; glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase); 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial; AKB ligase; aminoacetone synthase; glycine acetyltransferase; Kbl; AI526977;
Gene ID	26912
mRNA Refseq	NM_001161712
Protein Refseq	NP_001155184
UniProt ID	O88986

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