

## GCAT 抗原（重组蛋白）

中文名称：GCAT 抗原（重组蛋白）

英文名称：GCAT Antigen (Recombinant Protein)

别名：glycine C-acetyltransferase; KBL

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 220-419 amino acids of human GCAT

技术规格：

<b>Full name:</b>	glycine C-acetyltransferase
<b>Synonyms:</b>	KBL
<b>Swissprot:</b>	O75600
<b>Gene Accession:</b>	BC014457
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	The degradation of L-threonine to glycine consists of a two-step biochemical pathway involving the enzymes L-threonine dehydrogenase and 2-amino-3-ketobutyrate coenzyme A ligase. L-Threonine is first converted into 2-amino-3-ketobutyrate by L-threonine dehydrogenase. This gene encodes the second enzyme in this pathway, which then catalyzes the reaction between 2-amino-3-ketobutyrate and coenzyme A to form glycine and acetyl-CoA. The encoded enzyme is considered a class II pyridoxal-phosphate-dependent aminotransferase. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 14.

