

Recombinant Human GCAT

Catalog No: #GP13154



Package Size: #GP13154-1 100ug

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Description

Product Name	Recombinant Human GCAT
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 220-419 amino acids of human GCAT
Target Name	glycine C-acetyltransferase
Other Names	KBL
Accession No.	Swissprot:O75600Gene Accession:BC014457
Uniprot	O75600
GeneID	23464;
Storage	-20~-80°C, pH 7.6 PBS

Background

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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