

GCLC 抗原（重组蛋白）

中文名称： GCLC 抗原（重组蛋白）

英文名称： GCLC Antigen (Recombinant Protein)

别名： glutamate-cysteine ligase, catalytic subunit; GCL; GCS; GLCL; GLCLC

相关类别： 抗原

储存： 冷冻（-20℃）

概述

Fusion protein corresponding to N terminal 252 amino acids of human GCLC

技术规格

Full name:	glutamate-cysteine ligase, catalytic subunit
Synonyms:	GCL; GCS; GLCL; GLCLC
Swissprot:	P48506
Gene Accession:	BC022487
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase is the first rate-limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. This locus encodes the catalytic subunit, while the regulatory subunit is derived from a different gene located on chromosome 1p22-p21. Mutations at this locus have been associated with hemolytic anemia due to deficiency of gamma-glutamylcysteine synthetase and susceptibility to myocardial infarction.

