

GATM 抗原（重组蛋白）

中文名称：GATM 抗原（重组蛋白）

英文名称：GATM Antigen (Recombinant Protein)

别名：AT; AGAT; CCDS3

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 224-423 amino acids of human GATM

技术规格：

Full name:	glycine amidinotransferase
Synonyms:	AT; AGAT; CCDS3
Swissprot:	P50440
Gene Accession:	BC004141
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a mitochondrial enzyme that belongs to the amidinotransferase family. This enzyme is involved in creatine biosynthesis, whereby it catalyzes the transfer of a guanido group from L-arginine to glycine, resulting in guanidinoacetic acid, the immediate precursor of creatine. Mutations in this gene cause arginine:glycine amidinotransferase deficiency, an inborn error of creatine synthesis characterized by cognitive disability, language impairment, and behavioral disorders.