

# Recombinant Human GATM

Catalog No: #GP13387



Package Size: #GP13387-1 100ug

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## Description

Product Name	Recombinant Human GATM
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 224-423 amino acids of human GATM
Target Name	glycine amidinotransferase
Other Names	AT; AGAT; CCDS3
Accession No.	Swissprot:P50440Gene Accession:BC004141
Uniprot	P50440
GeneID	2628;
Storage	-20~-80°C, pH 7.6 PBS

## 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.

## 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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