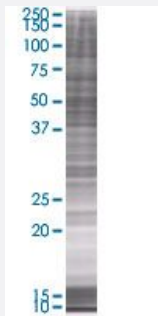


# GATM 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002628-T01

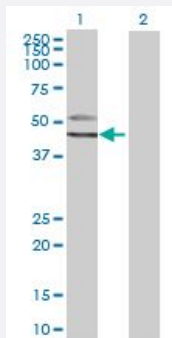
Size 100 uL

## Applications



### SDS-PAGE Gel

GATM transfected lysate.



### Western Blot

Lane 1: GATM transfected lysate ( 46.64 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-GATM full-length

**Host** Human

**Theoretical MW (kDa)** 46.64

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-GATM antibody ([H00002628-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 GATM transfected lysate.  
 Western Blot  
 Lane 1: GATM transfected lysate ( 46.64 KDa)  
 Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — GATM

**Entrez GeneID**[2628](#)**GeneBank Accession#**[NM\\_001482.1](#)**Protein Accession#**[NP\\_001473.1](#)**Gene Name**

GATM

**Gene Alias**

AGAT, AT

**Gene Description**

glycine amidinotransferase (L-arginine:glycine amidinotransferase)

**Omim ID**[602360](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 mental retardation, language impairment, and behavioral disorders. [provided by RefSeq]

**Other Designations**

L-arginine:glycine amidinotransferase|transamidinase

## Pathway

- [Arginine and proline metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)

## Disease

- [Kidney Failure](#)