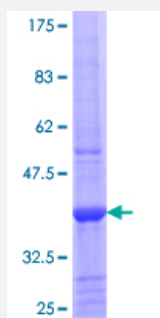


# GAMT (Human) Recombinant Protein (Q01)

Catalog # H00002593-Q01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human GAMT partial ORF ( NP_000147.1, 138 a.a. - 235 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PLSEETWHTHQFNFIKNHAFRLKPGGVLTTCNLTSWGELMKSKYSDITIMFEETQVPALLEAGFR RENIRTEVMALVPPADCRYAFPQMITPLVTK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (92); Rat (94)
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — GAMT

Entrez GeneID [2593](#)

GeneBank Accession# [NM\\_000156](#)

Protein Accession# [NP\\_000147.1](#)

Gene Name GAMT

Gene Alias PIG2, TP53I2

Gene Description guanidinoacetate N-methyltransferase

Omim ID [601240](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is a methyltransferase that converts guanidoacetate to creatine, using S-adenosylmethionine as the methyl donor. Defects in this gene have been implicated in neurologic syndromes and muscular hypotonia, probably due to creatine deficiency and accumulation of guanidinoacetate in the brain of affected individuals. Two transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations -

## Pathway

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

## Disease

- [Spinal Dysraphism](#)