

## Recombinant Human GAMT Protein, His-tagged

Cat. No. GAMT-319H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GAMT, transcript variant 1, fused with His tag at N, C-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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. Pseudogenes of this gene are found on chromosomes 2 and 13.
<b>Form</b>	Supplied as a 0.2 $\mu$ M filtered solution of 20mM Tris-HCl, 1mM DTT, pH 8.0
<b>Molecular Mass</b>	29.5kD
<b>Identity</b>	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
<b>AA Sequence</b>	MGSSHHHHHSSGLVPRGSHMSAPSATPIFAPGENCSPA WGAAPAAAYDAADTHLR ILGKPVMERWETPYMHALAAAASSKGG RVLEVGFGMAIAASKVQEAPIDEHWIIECN DGVFQRLRDWAPRQTHKVIPLKGLWEDVAP TLPDGHFDGILYD TYPLSEETWHTHQ FNFIKNHAFRLKPGGVLT YCNLTSWGELMKS KYSDITIMFEETQVPALLEAGFRREN

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IRTEVMALVPPADCRYYAFPQMITPLVTK

**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

## GENE INFORMATION

**Gene Name** [GAMT guanidinoacetate N-methyltransferase \[ Homo sapiens \]](#)**Official Symbol** [GAMT](#)**Synonyms** [GAMT](#); [guanidinoacetate N-methyltransferase](#); [PIG2](#); [TP53I2](#);**Gene ID** [2593](#)**mRNA Refseq** [NM\\_000156](#)**Protein Refseq** [NP\\_000147](#)**MIM** [601240](#)**UniProt ID** [Q14353](#) Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA