

Recombinant Human GAMT Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human GAMT, transcript variant 1, fused with His tag at N, C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	Supplied as a 0.2 μM filtered solution of 20mM Tris-HCl, 1mM DTT, pH 8.0
Molecular Mass	29.5kD
Identity	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
AA Sequence	MGSSHHHHHHSSGLVPRGSHMSAPSATPIFAPGENCSPA WGAAPAAAYDAADTHLR ILGKPVMERWETPYMHALAAAASSKGGRVLEVGFGMAIAASKVQEAPIDEHWIECN DGVFQRLRDWAPRQTHKVIPLKGLWEDVAPTLPDGHFDGILYDTYPLSEETWHTHQ FNFIKNHAFRLKPGGVLTTCNLTSWGELMKS KYS DITIMFEETQVPALLEAGFRREN

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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](#)

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