

# Recombinant Full Length Human GAMT Protein, GST-tagged

Cat. No. GAMT-5375HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GAMT full-length ORF (BAF82154.1, 1 a.a. - 269 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	269 amino acids
<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. [provided by RefSeq]
<b>Molecular Mass</b>	55.99 kDa
<b>AA Sequence</b>	MSAPSATPIFAPGENCSPA WGAAPAA YDAADTHLRILGKPVMERWETPYMHALAAA ASSKGGRVLEVGFGMAIAASKVQEAPIDEHWIIECNDGVFQRLRDWAPRQTHKVIPL KGLWEDVAPTLPDGHFDGILYD TYPLSEETWHTHQFNFIKNHAFRL LKPGGVLT YCN LTSWGELMKS KYSDITIMFEV RPPEVPHGSPGSDLGWGWEGAAGATLLPGEGPFLT PWVGWTVLVHLEIKVLC LAQWLPGAVAQVYNPSTVEGRGGQIA
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GAMT</a> <a href="#">guanidinoacetate N-methyltransferase [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">GAMT</a>
<b>Synonyms</b>	GAMT; guanidinoacetate N-methyltransferase; PIG2; TP53I2;
<b>Gene ID</b>	<a href="#">2593</a>
<b>mRNA Refseq</b>	<a href="#">NM_000156</a>
<b>Protein Refseq</b>	<a href="#">NP_000147</a>
<b>MIM</b>	<a href="#">601240</a>
<b>UniProt ID</b>	<a href="#">Q14353</a>

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