

Recombinant Human GAMT Protein, GST-tagged

Cat. No. GAMT-4715H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GAMT full-length ORF (BAF82154.1, 1 a.a. - 269 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	55.99 kDa
AA Sequence	MSAPSATPIFAPGENCSPA WGAAPAA YDAADTHLRILGKPVMERWETPYMHALAAA ASSKGGRVLEVGFGMAIAASKVQEAPIDEHWIIECNDGVFQRLRDWAPRQTHKVIPL KGLWEDVAPTLDPDGHFDGILYDTYPLSEETWHTHQFNFIKNHAFRLKPGGVLTTCN LTSWGELMKSKYSDITIMFEVRPPEVPHGSPGSDLGWGWEGAAGATLLPGEGPFLT PWVGWTVLVHLEIKVLCLAQWLPGAVAQVYNPSTVEGRGGQIA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

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

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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