Recombinant Human GAMT, His-tagged

Cat. No. GAMT-28972TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human GAMT fused to His-tag at N-terminus; amino acids 1-236 , 28.4kDa.
Species	Human
Source	E.coli
ProteinLength	1-236 a.a.
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.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Store in the dark.

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	Avoid repeated freeze / thaw cycles.
Full Length	Full L.

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
Chromosome Location	19p13.3
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Creatine metabolism, organism-specific biosystem; Creatine pathway, organism-specific biosystem; Creatine pathway, conserved biosystem;
Function	guanidinoacetate N-methyltransferase activity; methyltransferase activity; transferase activity;

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