

**GAMT, 1-236aa, Human, His tag, E.coli**

**Cat.NO.: TP02193**

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3th Edition

**Synonyms:**Guanidinoacetate N-methyltransferase isoform a, PIG2, TP53I2

**Description:**Guanidinoacetate N-methyltransferase isoform a, also known as GAMT is a methyltransferase that converts guanidoacetate to creatine, using S-adenosylmethionine as the methyl donor. This enzyme participates in the two-step synthesis of the compound creatine from the protein building blocks glycine, arginine, and methionine.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT,10% glycerol

**Molecular Weight:**28.4 kDa (256aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMSAPSATPIFAPGENCSPA WGAAPAAAYDAADTHLRILGKPVMERWETPYMHALA  
AAASSKGGRVLEVGFGMAIAASKVQEAPIDEHWIIECNDGVFQRLRDWAPRQTHKVIPLKGLWEDVAPTLPDGHFD  
GILYDTYPLSEETWHTHQFNFIKNHAFRLKPGGVLT YCNLTSWGELMKS KYSYDITIMFEETQVPALLEAGFRRENIR  
TEVMALVPPADCRYA AFPQMITPLVTKG

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.