

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

Cat.NO.: TP02193

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 WGAAPAA YDAADTHLRILGKPVMERWETPYMHALA
AAASSKGGRVLEVGF GMAIAASKVQEAPIDEHWIIECNDGVFQRLRDWAPRQTHKVIPLKGLWEDVAPTLPDGHFD
GILYDTYPLSEETWHTHQFNFIKNHAFRLLKPGGVLT YCNLT SWGELMKSKYSDITIMFEETQVPALLEAGFRRENIR
TEVMALVPPADCRYA AFPQMITPLVTKG

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 µg 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.