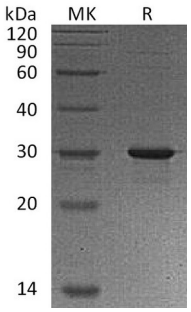
Product Name: Recombinant Human GAMT (N, C-6His)
Catalog #: PEH0768

Summary

Name	Guanidinoacetate N-methyltransferase/GAMT
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Guanidinoacetate N-methyltransferase is produced by our E.coli expression system and the target gene encoding Met1-Gly236 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.
Accession #	Q14353
Host	E.coli
Species	Human
Predicted Molecular Mass	29.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 1mM DTT, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Guanidinoacetate N-methyltransferase; GAMT; PIG2; TP53I2
Background	GAMT is a methyltransferase which belongs to the class I-like SAM-binding methyltransferase superfamily. It contains one RMT2 (arginine N-methyltransferase

2-like) domain and is expressed in liver. GAMT converts guanidoacetate to creatine, using S-adenosylmethionine as the methyl donor. Defects in GAMT are the cause of guanidinoacetate methyltransferase deficiency, which is an autosomal recessive disorder characterized by developmental delay/regression, mental retardation, severe disturbance of expressive and cognitive speech, intractable seizures and movement disturbances, severe depletion of creatine/phosphocreatine in the brain, and accumulation of guanidinoacetic acid in brain and body fluids.

Note

For Research Use Only , Not for Diagnostic Use.