

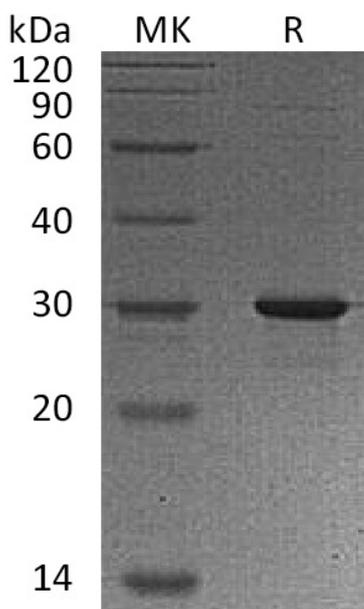
Product Name: Recombinant Human GAMT (N, C-6His)
Catalog #: PEH0768



Summary

| | |
|---------------------------------|---|
| Name | Guanidinoacetate N-methyltransferase/GAMT |
| Purity | Greater than 95% as determined by reducing SDS-PAGE |
| Endotoxin level | <1 EU/ μ g 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 μ m 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 \leq -70°C, stable for 6 months after receipt. Store at \leq -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| Reconstitution | |

SDS-PAGE image



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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.