

Recombinant Mouse Gatm Protein, Myc/DDK-tagged

Cat. No. Gatm-3164M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glycine amidinotransferase (L-arginine:glycine amidinotransferase) (Gatm), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the biosynthesis of guanidinoacetate, the immediate precursor of creatine. Creatine plays a vital role in energy metabolism in muscle tissues. May play a role in embryonic and central nervous system development.
Molecular Mass	48.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Gatm glycine amidinotransferase (L-arginine:glycine amidinotransferase) [Mus musculus (house mouse)]
Official Symbol	Gatm
Synonyms	GATM; glycine amidinotransferase (L-arginine:glycine amidinotransferase); glycine amidinotransferase, mitochondrial; transamidinase; L-arginine:glycine amidinotransferase; AT; AI314789; 1810003P21Rik
Gene ID	67092
mRNA Refseq	NM_025961
Protein Refseq	NP_080237
UniProt ID	Q9D964

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