

Recombinant Mouse Gatc Protein, Myc/DDK-tagged

Cat. No. Gatc-3162M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glutamyl-tRNA(Gln) amidotransferase, subunit C (Gatc), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Allows the formation of correctly charged Gln-tRNA(Gln) through the transamidation of misacylated Glu-tRNA(Gln) in the mitochondria. The reaction takes place in the presence of glutamine and ATP through an activated gamma-phospho-Glu-tRNA(Gln).
Molecular Mass	16.6 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	Gatc glutamyl-tRNA(Gln) amidotransferase, subunit C [Mus musculus (house mouse)]
Official Symbol	Gatc
Synonyms	Gatc; glutamyl-tRNA(Gln) amidotransferase, subunit C; 2010003O18Rik; glutamyl-tRNA(Gln) amidotransferase subunit C, mitochondrial; gatC-like protein; glu-AdT subunit C; glutamyl-tRNA(Gln) amidotransferase, subunit C homolog; EC 6.3.5.-
Gene ID	384281
mRNA Refseq	NM_029645
Protein Refseq	NP_083921
UniProt ID	Q8CBY0

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