

## Recombinant Mouse Gatc Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length glutamyl-tRNA(Gln) amidotransferase, subunit C (Gatc), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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).
<b>Molecular Mass</b>	16.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	Gatc glutamyl-tRNA(Gln) amidotransferase, subunit C [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Gatc
<b>Synonyms</b>	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.-
<b>Gene ID</b>	384281
<b>mRNA Refseq</b>	NM_029645
<b>Protein Refseq</b>	NP_083921
<b>UniProt ID</b>	Q8CBY0

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