

Product datasheet for TP501151

Gatc (NM_029645) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glutamyl-tRNA(Gln) amidotransferase, subunit C (Gatc), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201151 protein sequence Red =Cloning site Green =Tags(s)
	<p>MWSRAASVRFAPLDAGRSFASKANPQGKVQAAGLGTQAPRLVPQGSGRVSPAVIEHLERLALVNFSGRE AVDGLEKAI AFADQLHAVDTDGVEPLESVLEDRCLYL RSDNVAEGSCAEELLQNSNHVVEEYFVAPPNGNI SLPDMV NKIPSSTVE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	16.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_083921
Locus ID:	384281
UniProt ID:	Q8CBY0
RefSeq Size:	1777
Cytogenetics:	5 F



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RefSeq ORF: 465

Synonyms: 2010003O18Rik

Summary: 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).[UniProtKB/Swiss-Prot Function]