

Product datasheet for TP315964

GATC (NM_176818) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glutamyl-tRNA(Gln) amidotransferase, subunit C homolog (bacterial) (GATC), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215964 protein sequence Red =Cloning site Green =Tags(s)
	MWSRLVWLGLRAPLGGRQGFTSKADPQGSGRITAAVIEHLERLALVDFGSREAVARLEKAIADFADRLRAV DTDGVEPMESVLEDRCLYLRSNDNVVEGNCADELLQNSHRVVEEYFVAPPGNISLPLKLDQEPFPHS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	14.9 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u>NP_789788</u>
Locus ID:	283459
UniProt ID:	<u>O43716</u>
RefSeq Size:	4248



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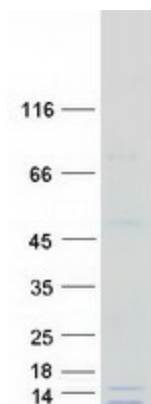
Cytogenetics: 12q24.31

RefSeq ORF: 410

Synonyms: 15E1.2; COXPD42

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]

Product images:



Coomassie blue staining of purified GATC protein (Cat# TP315964). The protein was produced from HEK293T cells transfected with GATC cDNA clone (Cat# [RC215964]) using MegaTran 2.0 (Cat# [TT210002]).