

## Product datasheet for PH315964

### GATC (NM\_176818) Human Mass Spec Standard

#### Product data:

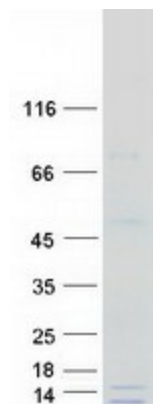
Product Type:	Mass Spec Standards
Description:	GATC MS Standard C13 and N15-labeled recombinant protein (NP_789788)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215964
Predicted MW:	15.1 kDa
Protein Sequence:	>RC215964 protein sequence Red=Cloning site Green=Tags(s)  MWSRLVWLGLRAPLGGRQGFTSKADPQGSGRITAAVIEHLERLALVDFGSREAVARLEKAI AFADRLRAV DTDGVPEMESVLEDRCLYL RSDNVVEGNCADELLQNSHRVVEEYFVAPPGNISL PKLDEQEPPPHS  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_789788</a></u>
RefSeq Size:	4248
RefSeq ORF:	410
Synonyms:	15E1.2; COXPD42
Locus ID:	283459
UniProt ID:	<u><a href="#">O43716</a></u>
Cytogenetics:	12q24.31



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**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]).