

Glutamyl-tRNA (Gln) amidotransferase subunit B, chloroplastic/mitochondrial (GATB), Recombinant Protein

Cat RP11343

Species

Oryza sativa subsp. indica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. indica Glutamyl-tRNA (Gln) amidotransferase subunit B, chloroplastic/mitochondrial, partial

Product Gene Name

GATB recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

60,095 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

PTS system galactitol-specific EIIB component

NCBI Accession

A2ZF53.1

NCBI GI

353558774

NCBI Official Full Name

Glutamyl-tRNA(Gln) amidotransferase subunit B, chloroplastic/mitochondrial

UniProt Gene Name

GATB

UniProt Synonym Gene Names

Glu-AdT subunit B

UniProt Protein Name

Glutamyl-tRNA(Gln) amidotransferase subunit B, chloroplastic/mitochondrial

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Glutamyl-tRNA (Gln) amidotransferase subunit B, chloroplastic/mitochondrial (GATB), Recombinant Protein

Cat *RP11343*

UniProt Primary Accession

A2ZF53

UniProt Comments

Allows the formation of correctly charged Gln-tRNA(Gln) through the transamidation of misacylated Glu-tRNA(Gln) in chloroplasts and mitochondria. The reaction takes place in the presence of glutamine and ATP through an activated gamma-phospho-Glu-tRNA(Gln).

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY