Glutamyl-Trna (Gln) Amidotransferase Subunit B, Mitochondrial (PET112), Partial (PET112) Candida Glabrata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamyl-tRNA (Gln) amidotransferase subunit B, mitochondrial (PET112), partial, Recombinant Protein
Full Product Name	Recombinant Candida glabrata Glutamyl-tRNA (Gln) amidotransferase subunit B, mitochondrial (PET112), partial
Product Gene Name	PET112 recombinant protein
Product Synonym Gene Name	PET112; CAGL0A04653g
Product Synonym Names	Glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial; Glu-AdT subunit B; EC=6.3.5.-
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	62,767 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q6FXR9
Species	Candida glabrata (strain 2001 / CBS 138 / JCM 3761 / NBRC 0622 / NRRL Y-65) (Yeast) (Torulopsis glabrata)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PET112 recombinant protein	MBS1340113 is a recombinant protein targeting PET112. Also known as Recombinant Candida glabrata Glutamyl-tRNA (Gln) amidotransferase subunit B, mitochondrial (PET112), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PET112 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PET112. It may not necessarily be applicable to this product.

NCBI GI #	50285083
NCBI GeneID	2886409
NCBI Accession #	XP_444970.1
UniProt Primary Accession #	Q6FXR9
UniProt Related Accession #	Q6FXR9
GenBank Nucleotide #	XM_444970.1
NCBI Official Full Name	hypothetical protein

NCBI Official Symbol	CAGL0A04653g
UniProt Protein Name	Glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial
UniProt Gene Name	PET112
UniProt Synonym Gene Names	Glu-AdT subunit B
UniProt Entry Name	GATB_CANGA
NCBI Protein Information	hypothetical protein
UniProt Comments for PET112	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).
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