CTP Synthase (pyrG) Streptococcus Pyogenes Serotype M3 Recombinant Protein

PRODUCT OVERVIEW

Product Name	CTP synthase (pyrG), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M3 CTP synthase (pyrG), partial
Product Gene Name	pyrG recombinant protein
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	59,507 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 P0DD71
Species	Streptococcus pyogenes serotype M3 (strain SSI-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pyrG recombinant protein	MBS1223248 is a recombinant protein targeting pyrG. Also known as Recombinant Streptococcus pyogenes serotype M3 CTP synthase (pyrG), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pyrG 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 pyrG. It may not necessarily be applicable to this product.

NCBI GI #	489078208
NCBI Accession #	WP_002988149.1
UniProt Primary Accession #	P0DD71
UniProt Secondary Accession #	P65926; Q99Y33
GenBank Nucleotide #	WP_002988149.1
NCBI Official Full Name	CTP synthetase
UniProt Protein Name	CTP synthase
UniProt Synonym Protein Names	Cytidine 5'-triphosphate synthase
Protein Family	Putative CTP synthase
UniProt Gene Name	pyrG

UniProt Synonym Gene Names	CTP synthetase; CTPS
UniProt Comments for pyrG	Catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as the source of nitrogen. Regulates intracellular CTP levels through interactions with the four ribonucleotide triphosphates.
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