2- (5''-Triphosphoribosyl)-3'-Dephosphocoenzyme-A Synthase (citG) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	2- (5''-triphosphoribosyl)-3'-dephosphocoenzyme-A synthase (citG), Recombinant Protein
Full Product Name	Recombinant Escherichia coli 2- (5''-triphosphoribosyl)-3'-dephosphocoenzyme-A synthase
Product Gene Name	citG recombinant protein
Sequence	MSMPATSTKT TKLATSLIDE YALLGWRAML TEVNLSPKPG LVDRINCGAH KDMALEDFHR SALAIQGWLP RFIEFGACSA EMAPEAVLHG LRPIGMACEG DMFRATAGVN THKGSIFSLG LLCAAIGRLL QLNQPVTPTT VCSTAASFCR GLTDRELRTN NSQLTAGQRL YQQLGLTGAR GEAEAGYPLV INHALPHYLT LLDQGLDPEL ALLDTLLLLM AINGDTNVAS RGGEGGLRWL QREAQTLLQK GGIRTPADLD YLRQFDRECI ERNLSPGGSA DLLILTWFLA QI
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	31,644 Da
Sequence Positions	1-292, Full length protein
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 B7L8J6
Species	Escherichia coli (strain 55989 / EAEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for citG recombinant protein	MBS1258673 is a recombinant protein targeting citG. Also known as Recombinant Escherichia coli 2- (5''-triphosphoribosyl)-3'-dephosphocoenzyme-A synthase. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of citG 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 citG. It may not necessarily be applicable to this product.

NCBI GI #	445984602
NCBI Accession #	WP_000062457.1
UniProt Primary Accession #	B7L8J6
GenBank Nucleotide #	WP_000062457.1
NCBI Official Full Name	MULTISPECIES: 2-(5''-triphosphoribosyl)-3'-dephosphocoenzyme-A synthase

UniProt Protein Name	2-(5''-triphosphoribosyl)-3'-dephosphocoenzyme-A synthase
Protein Family	2-(5''-triphosphoribosyl)-3'-dephosphocoenzyme-A synthase
UniProt Gene Name	citG
UniProt Synonym Gene Names	2-(5''-triphosphoribosyl)-3'-dephospho-CoA synthase
UniProt Comments for citG	Catalyzes the formation of 2-(5''-triphosphoribosyl)-3'-dephosphocoenzyme-A, the precursor of the prosthetic group of the holo-acyl carrier protein (gamma chain) of citrate lyase, from ATP and dephospho-CoA.
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