Citrate Synthase (gltA) Rhizobium Meliloti Recombinant Protein

PRODUCT OVERVIEW

Product Name	Citrate synthase (gltA), Recombinant Protein
Full Product Name	Recombinant Rhizobium meliloti Citrate synthase (gltA)
Product Gene Name	gltA recombinant protein
Sequence	MSEKSATVTF GGKSADLPVR SGSIGPDVVD IGSLYKQTTM FTYDPGFTST ASCESKITYI DGDEGVLLHR GFPIEQLAEH GDFLEVCYLL LYGELPTKAQ KADFDYRVTH HTMVHEQMSR FFTGFRRDAH PMAVMCGCVG ALSAFYHDST DITDPHQRMV ASLRMIAKMP TIAAMAYKYH IGQPFVYPKN DLDYASNFLR MCFAVPCEEY VVNPVLARAM DRIFILHADH EQNASTSTVR LAGSSGANPF ACIAAGIACL WGPAHGGANE AALNMLAEIG TVDRIPEYIT KAKDKNDPFR LMGFGHRVYK NYDPRAKIMQ KTTHEVLAEL GHKDDPLLEV AMELERIALT DEYFIEKKLY PNIDFYSGIT LKALGFPTTM FTVLFALART VGWIAQWNEM IEDPEQRIGR PRQLYVGAPL RDYVPISKR
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	48,002 Da
Sequence Positions	1-429, Full length
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 O33915
Species	Rhizobium meliloti (strain 1021) (Ensifer meliloti) (Sinorhizobium meliloti)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gltA recombinant protein	MBS1230349 is a recombinant protein targeting gltA. Also known as Recombinant Rhizobium meliloti Citrate synthase (gltA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gltA 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 gltA. It may not necessarily be applicable to this product.

NCBI GI #	15965262
NCBI GeneID	1233162
NCBI Accession #	NP_385615.1
UniProt Primary Accession #	O33915
UniProt Related Accession #	O33915

GenBank Nucleotide #	NC_003047.1
NCBI Official Full Name	type II citrate synthase
NCBI Official Symbol	gltA
UniProt Protein Name	Citrate synthase
Protein Family	Citrate synthase
UniProt Gene Name	gltA
NCBI Protein Information	type II citrate synthase
Research Articles on gltA	**1.** The acnA gene was stably interrupted in a citrate synthase (gltA) null background, indicating that the intracellular accumulation of citrate may be deleterious for survival of strain 1021.
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