GTP-Sensing Transcriptional Pleiotropic Repressor Cody (codY) Streptococcus Thermophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	GTP-sensing transcriptional pleiotropic repressor CodY (codY), Recombinant Protein
Full Product Name	Recombinant Streptococcus thermophilus GTP-sensing transcriptional pleiotropic repressor CodY (codY)
Product Gene Name	codY recombinant protein
Product Synonym Gene Name	codY
Sequence	MANLLDKTRK ITSILQRSVD SLEGDLPYNN MAAQLADIID CNAAIVNGGG ALLGFAMKYK TNNDRVEKFF KAKQLPEEYI RGISRVYDTQ ENIGIDSDLT IFPVELKDDF PDGLTTIAPI YGGGMRLGSF IIWRNDHDFV DDDLILVEIA STVVGLQLLH LQTENLEETI RKQTAINMAI NTLSYSEIKA VSAILNELDG LEGRLTASVI ADRIGITRSV IVNALRKLES AGIIESRSLG MKGTYLKVLN EGIYDKLKEY E
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	28,919 Da
Sequence Positions	1-261, 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 Q5M305
Species	Streptococcus thermophilus (strain BAA-250 / LMG 18311)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for codY recombinant protein	MBS1335653 is a recombinant protein targeting codY. Also known as Recombinant Streptococcus thermophilus GTP-sensing transcriptional pleiotropic repressor CodY (codY). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of codY 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 codY. It may not necessarily be applicable to this product.

NCBI GI #	489041403
NCBI Accession #	WP_002951720.1
UniProt Primary Accession #	Q5M305
GenBank Nucleotide #	WP_002951720.1

NCBI Official Full Name	GTP-sensing pleiotropic transcriptional regulator CodY
UniProt Protein Name	GTP-sensing transcriptional pleiotropic repressor CodY
Protein Family	GTP-sensing transcriptional pleiotropic repressor
UniProt Gene Name	codY
UniProt Comments for codY	DNA-binding protein that represses the expression of many genes that are induced as cells make the transition from rapid exponential growth to stationary phase. It is a GTP-binding protein that senses the intracellular GTP concentration as an indicator of nutritional limitations. At low GTP concentration it no longer binds GTP and stop to act as a transcriptional repressor.
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