Sulfate/Thiosulfate Import ATP-Binding Protein Cysa (cysA) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sulfate/thiosulfate import ATP-binding protein CysA (cysA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 Sulfate/thiosulfate import ATP-binding protein CysA (cysA)
Product Gene Name	cysA recombinant protein
Product Synonym Gene Name	cysA
Sequence	MSIEIANIKK SFGRTQVLND ISLDIPSGQM VALLGPSGSG KTTLLRIIAG LEHQTSGHIR FHGTDVSRLH ARDRKVGFVF QHYALFRHMT VFDNIAFGLT VLPRRERPNA AAIKAKVTKL LEMVQLAHLA DRYPAQLSGG QKQRVALARA LAVEPQILLL DEPFGALDAQ VRKELRRWLR QLHEELKFTS VFVTHDQEEA TEVADRVVVM SQGNIEQADA PDQVWREPAT RFVLEFMGEV NRLQGTIRGG QFHVGAHRWP LGYTPAYQGP VDLFLRPWEV DISRRTSLDS PLPVQVLEAS PKGHYTQLVV QPLGWYNEPL TVVMHGDDAP QRGERLFVGL QHARLYNGDE RIEPRDEELA LAQSA
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	41,055 Da
Sequence Positions	1-365, 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 Q8XBJ8
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cysA recombinant protein	MBS1323214 is a recombinant protein targeting cysA. Also known as Recombinant Escherichia coli O157:H7 Sulfate/thiosulfate import ATP-binding protein CysA (cysA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cysA 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 cysA. It may not necessarily be applicable to this product.

NCBI GI #	15832547
NCBI GeneID	915512
NCBI Accession #	NP_311320.1

UniProt Primary Accession #	Q8XBJ8
GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	sulfate/thiosulfate transporter subunit
NCBI Official Symbol	ECs3293
UniProt Protein Name	Sulfate/thiosulfate import ATP-binding protein CysA
UniProt Synonym Protein Names	Sulfate-transporting ATPase
Protein Family	Probable sulfate/thiosulfate import ATP-binding protein
UniProt Gene Name	cysA
NCBI Protein Information	sulfate/thiosulfate transporter subunit
UniProt Comments for cysA	Part of the ABC transporter complex CysAWTP involved in sulfate/thiosulfate import. Responsible for energy coupling to the transport system.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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