Sulfate Adenylyltransferase Subunit 1 (cysN) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sulfate adenylyltransferase subunit 1 (cysN), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Sulfate adenylyltransferase subunit 1 (cysN)
Product Gene Name	cysN recombinant protein
Sequence	MNTALAQQIA NEGGVEAWMI AQQHKSLLRF LTCGSVDDGK STLIGRLLHD TRQIYEDQLS SLHNDSKRHG TQGEKLDLAL LVDGLQAERE QGITIDVAYR YFSTEKRKFI IADTPGHEQY TRNMATGAST CELAILLIDA RKGVLDQTRR HSFISTLLGI KHLVVAINKM DLVDYSEETF TRIREDYLTF AGQLPGNLDI RFVPLSALEG DNVASQSESM PWYSGPTLLE VLETVEIQRV VDAQPMRFPV QYVNRPNLDF RGYAGTLASG RVEVGQRVKV LPSGVESNVA RIVTFDGDRE EAFAGEAITL VLTDEIDISR GDLLLAADEA LPAVQSASVD VVWMAEQPLS PGQSYDIKIA GKKTRARVDG IRYQVDINNL TQREVENLPL NGIGLVDLTF DEPLVLDRYQ QNPVTGGLIF IDRLSNVTVG AGMVHEPVSQ ATAAPSEFSA FELELNALVR RHFPHWGARD LLGDK
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	52,558 Da
Sequence Positions	1-475, 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 P23845
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cysN recombinant protein	MBS1121888 is a recombinant protein targeting cysN. Also known as Recombinant Escherichia coli Sulfate adenylyltransferase subunit 1 (cysN). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cysN 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 cysN. It may not necessarily be applicable to this product.

NCBI GI #	16130658
NCBI GeneID	947219
NCBI Accession #	NP_417231.1
UniProt Primary Accession #	P23845
UniProt Secondary Accession #	Q2MA78

GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	sulfate adenylyltransferase, subunit 1
NCBI Official Symbol	cysN
NCBI Official Synonym Symbols	ECK2746; JW2721
UniProt Protein Name	Sulfate adenylyltransferase subunit 1
UniProt Synonym Protein Names	ATP-sulfurylase large subunit; Sulfate adenylate transferase; SAT
Protein Family	Sulfate adenylyltransferase
UniProt Gene Name	cysN
UniProt Synonym Gene Names	SAT
NCBI Protein Information	sulfate adenylyltransferase, subunit 1
NCBI Summary for cysN	ATP sulfurylase is also called ATP:sulfate adenylyltransferase. [More information is available at EcoGene: EG10194]. Believed to be a GTPase that activates the cysD protein. [More information is available at EcoCyc: EG10194].
UniProt Comments for cysN	May be the GTPase, regulating ATP sulfurylase activity.
Research Articles on cysN	**1.** N-terminus verified by Edman degradation on complete protein
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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