Cysteine--Trna Ligase (cysS) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cysteine--tRNA ligase (cysS), Recombinant Protein
Full Product Name	Recombinant Mycoplasma mycoides subsp. mycoides SC Cysteine--tRNA ligase (cysS)
Product Gene Name	cysS recombinant protein
Product Synonym Gene Name	cysS
Sequence	MQLYNSLSKT KKTLNKKTIN LYCCGPTVYN YIHIGNARPI LLVDVLIRYL KSRSIKVNYL QNITDIDDKI ILKALENNLN ELEVSQKYTS AYLEDLKSLN INQPDKIILI SQKMNEMIDF IKNLVDINAA YVLDGDVYFD IKKYENEYCK LSGYKLDELI SGKRVEIDSK KHYSLDFSLW KKTDIGIKWD SVFGLGRPGW HTECVLLIDE YFNHQTIDIH VGGIDLKFPH HENERIQFIA KNNKELAHIW LHNGHLQIND EKMSKSLGNV ILVRDFIKKH NKNTLRWIFL TTNYTQPLNI SDDLIYQANK FFEKLTNLSK KTIQFIIKKD LKIKSINSSE YINKFNEYME DDLNTSLVLS LIDLLIKQIN KNIVDKNLDN FNLLIGSLNY ILDVLGFDNV FNYKFDNKTK ELFLKWQELV KNKEFNKADL IRNKLIEQGI L
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	51,751 Da
Sequence Positions	1-441, 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 Q6MS23
Species	Mycoplasma mycoides subsp. mycoides SC (strain PG1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cysS recombinant protein	MBS1393037 is a recombinant protein targeting cysS. Also known as Recombinant Mycoplasma mycoides subsp. mycoides SC Cysteine--tRNA ligase (cysS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cysS 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 cysS. It may not necessarily be applicable to this product.

NCBI GI #	42561475
NCBI GeneID	2744842
NCBI Accession #	NP_975926.1
UniProt Primary Accession #	Q6MS23

UniProt Related Accession #	Q6MS23
GenBank Nucleotide #	NC_005364.2
NCBI Official Full Name	cysteinyl-tRNA synthetase
NCBI Official Symbol	cysS
UniProt Protein Name	Cysteine--tRNA ligase
UniProt Synonym Protein Names	Cysteinyl-tRNA synthetase
Protein Family	Cysteine--tRNA ligase
UniProt Gene Name	cysS
UniProt Synonym Gene Names	CysRS
NCBI Protein Information	cysteinyl-tRNA synthetase
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