Cysteine Desulfurase (iscS) Vibrio Vulnificus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cysteine desulfurase (iscS), Recombinant Protein
Full Product Name	Recombinant Vibrio vulnificus Cysteine desulfurase (iscS)
Product Gene Name	iscS recombinant protein
Product Synonym Gene Name	iscS
Sequence	MKLPIYLDYS ATCPVDPRVA EKMVQYMTMD GTFGNPASRS HRYGWQAEEA VDTAREQIAE LLNADPREIV FTSGATESDN LAIKGAAHFY SKQGKHVITS KTEHKAVLDT CRQLEREGFE VTYLEPESNG LISLSKLEAA MRDDTVLVSI MHVNNEIGVI QDIEAIGELC RSRKIIFHVD AAQSAGKVAI DVQKLKVDLI SLSAHKIYGP KGIGALYVRR KPRIRLEAQM HGGGHERGFR SGTLPTHQIV GMGEAFRIAK LDMEKDYQHA LALRNRLLDG VKDMEAVTIN GDLDQRVPHN LNISFAFVEG ESLLMSLKDL AVSSGSACTS ASLEPSYVLR ALGLNDELAH SSIRFSFGRF TTEEEIDYAI EQIRVAVAKL RDMSPLWDMY KEGIDLNTVE WAHH
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	44,957 Da
Sequence Positions	1-404, 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 Q7MNG2
Species	Vibrio vulnificus (strain YJ016)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for iscS recombinant protein	MBS1375263 is a recombinant protein targeting iscS. Also known as Recombinant Vibrio vulnificus Cysteine desulfurase (iscS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of iscS 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 iscS. It may not necessarily be applicable to this product.

NCBI GI #	499462455
NCBI Accession #	WP_011149600.1
UniProt Primary Accession #	Q7MNG2
GenBank Nucleotide #	WP_011149600.1

NCBI Official Full Name	IscS subfamily cysteine desulfurase
UniProt Protein Name	Cysteine desulfurase IscS
Protein Family	Cysteine desulfurase
UniProt Gene Name	iscS
UniProt Comments for iscS	Master enzyme that delivers sulfur to a number of partners involved in Fe-S cluster assembly, tRNA modification or cofactor biosynthesis. Catalyzes the removal of elemental sulfur atoms from cysteine to produce alanine. Functions as a sulfur delivery protein for Fe-S cluster synthesis onto IscU, an Fe-S scaffold assembly protein, as well as other S acceptor proteins.
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