Cysteine Desulfurase (iscS) Ehrlichia Chaffeensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cysteine desulfurase (iscS), Recombinant Protein
Full Product Name	Recombinant Ehrlichia chaffeensis Cysteine desulfurase (iscS)
Product Gene Name	iscS recombinant protein
Product Synonym Gene Name	iscS
Sequence	MEQEKRQINL PVFLDYQSTT KTDDRVLEAM MPYFKQFSNP HSRSHSFGWK AESAVELARE RVASLINAEA KEVIFTSGAT ESNNLAIKGV ANFYKNKGNH IITVRTEHKC VLDSCRYLET EGFHVTYLDV QKNGILDLEL LKSSITDKTI LVSVMMVNNE IGVIQPIEKI GKICHEHGIF FHTDAAQAFG KISIDVKKMN IDLLSISGHK IYAPMGIGAL YIRKRQPRVR LTPMINGGGQ ERGMRSGTVP TPLAVGLGEA ARIAQEVMEE ENIRIRELRD ILYNEIKKHL PYVVLNGDYE QRIAGNLNLS FPYVEGESII MAINNLAVSS GSACTSASLE PSYVLRALNI EKDLEHSSIR FGIGRFTTRE EILYAAELIV SSIKKLREMS PLWEMVQEGV DLNNIKWDAH
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	46,097 Da
Sequence Positions	1-410, 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 Q2GGJ4
Species	Ehrlichia chaffeensis (strain Arkansas)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for iscS recombinant protein	MBS1312268 is a recombinant protein targeting iscS. Also known as Recombinant Ehrlichia chaffeensis 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 #	492857228
NCBI Accession #	WP_006011182.1
UniProt Primary Accession #	Q2GGJ4
GenBank Nucleotide #	WP_006011182.1

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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