Cysteine Desulfuration Protein Sufe (sufE) Yersinia Pestis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cysteine desulfuration protein sufE (sufE), Recombinant Protein
Full Product Name	Recombinant Yersinia pestis Cysteine desulfuration protein sufE (sufE)
Product Gene Name	sufE recombinant protein
Product Synonym Gene Name	sufE
Sequence	MAGLPDRDKL IRNFSRCLNW EEKYLYIIEL GGQLAPLTEQ QRHPENLISG CQSQVWIAMT LSAEGHVIFA GDSDAAIVKG LVAVVFILYH DLTPQQIISL DVRPFFADLA LSQHLTPSRS QGLEAMIRAI RTKVANLSAH
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	15,581 Da
Sequence Positions	1-140, Full length
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 Q74TH2
Species	Yersinia pestis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sufE recombinant protein	MBS1331023 is a recombinant protein targeting sufE. Also known as Recombinant Yersinia pestis Cysteine desulfuration protein sufE (sufE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sufE 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 sufE. It may not necessarily be applicable to this product.

NCBI GI #	488140596
NCBI Accession #	WP_002211804.1
UniProt Primary Accession #	Q74TH2
UniProt Secondary Accession #	Q0WEC4; Q8D0M5; Q8ZDZ5
GenBank Nucleotide #	WP_002211804.1
NCBI Official Full Name	MULTISPECIES: cysteine desulfuration protein SufE

UniProt Protein Name	Cysteine desulfuration protein SufE
Protein Family	Cysteine desulfuration protein
UniProt Gene Name	sufE
UniProt Comments for sufE	Participates in cysteine desulfuration mediated by SufS. Cysteine desulfuration mobilizes sulfur from L-cysteine to yield L-alanine and constitutes an essential step in sulfur metabolism for biosynthesis of a variety of sulfur-containing biomolecules. Functions as a sulfur acceptor for SufS, by mediating the direct transfer of the sulfur atom from the S-sulfanylcysteine of SufS, an intermediate product of cysteine desulfuration process.
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