Alkanesulfonate Monooxygenase (ssuD) Yersinia Pseudotuberculosis Serotype Ib Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alkanesulfonate monooxygenase (ssuD), Recombinant Protein
Full Product Name	Recombinant Yersinia pseudotuberculosis serotype IB Alkanesulfonate monooxygenase (ssuD)
Product Gene Name	ssuD recombinant protein
Sequence	MSINVFWFLP THGDGHYLGS SEGARAVDYS YLQQIAQAAD RLGFGGVLIP TGRSCEDSWL VAASLIPVTQ RLKFLVALRP GIISPTLAAR QAATLDRLSN GRALFNLVTG GDPEELAAEG LHLNHTERYE ASAEFTHVWR KVLEGETVDF AGKHIQVKGA KLLFPPVQHP RPPLYFGGSS AAAQDLAAEQ VELYLTWGET PEQVKEKIEE VRAKAAAKGR TVRFGIRLHV IVRETTEEAW RAANRLIANL DDKTIADAQQ AFARFDSVGQ QRMAALHGGK KDNLEISPNL WAGVGLVRGG AGTALVGDGP TVAQRIQEYA DLGIDTFVFS GYPHLEEAYR VSELLFPHLD LATTELPTQR PATQPQGEVV ANIYVPQKVS QS
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	41,650 Da
Sequence Positions	1-382, 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 B2K4U5
Species	Yersinia pseudotuberculosis serotype IB (strain PB1/+)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ssuD recombinant protein	MBS1166178 is a recombinant protein targeting ssuD. Also known as Recombinant Yersinia pseudotuberculosis serotype IB Alkanesulfonate monooxygenase (ssuD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ssuD 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 ssuD. It may not necessarily be applicable to this product.

NCBI GI #	499506543
NCBI Accession #	WP_011193183.1
UniProt Primary Accession #	B2K4U5
GenBank Nucleotide #	WP_011193183.1

NCBI Official Full Name	MULTISPECIES: alkanesulfonate monooxygenase
UniProt Protein Name	Alkanesulfonate monooxygenase
UniProt Synonym Protein Names	FMNH2-dependent aliphatic sulfonate monooxygenase
Protein Family	Alkanesulfonate monooxygenase
UniProt Gene Name	ssuD
UniProt Comments for ssuD	Catalyzes the desulfonation of aliphatic sulfonates.
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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