Cysteine Desulfurase (sufS) Escherichia Coli O8 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cysteine desulfurase (sufS), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O8 Cysteine desulfurase (sufS)
Product Gene Name	sufS recombinant protein
Product Synonym Gene Name	sufS; ECIAI1_1732
Product Synonym Names	Cysteine desulfurase; EC=2.8.1.7; Selenocysteine beta-lyase; SCL; Selenocysteine lyase; EC=4.4.1.16; Selenocysteine reductase
Sequence	MTFSVDKVRA DFPVLSREVN GLPLAYLDSA ASAQKPSQVI DSEAEFYRHG YAAVHRGIHT LSAQATEKME NVRKRASLFI NARSAEELVF VRGTTEGINL VANSWGNSNV RAGDNIIISQ MEHHANIVPW QMLCARVGAE LRVIPLNPDG TLQLETLPNL FDEKTRLLAI THVSNVLGTE NPLAEMITLA HQHGAKVLVD GAQAVMHHPV DVQALDCDFY VFSGHKLYGP TGIGILYVKE ALLQEMPPWE GGGSMIATVS LSEGTTWTKA PWRFEAGTPN TGGIIGLGAA LEYVSALGLN NIAEYEQNLM HYALSQLESV PDLTLYGPRN RLGVIAFNLG KHHAYDVGSF LDNYGIAVRT GHHCAMPLMA YYNVPAMCRA SLAMYNTHEE VDRLVTGLQR IHRLLG
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	44,479 Da
Sequence Positions	1-406
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 B7M0N5
Species	Escherichia coli O8 (strain IAI1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sufS recombinant protein	MBS1232447 is a recombinant protein targeting sufS. Also known as Recombinant Escherichia coli O8 Cysteine desulfurase (sufS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. sufS
Other Notes	Small volumes of sufS 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 sufS. It may not necessarily be applicable to this product.

NCBI GI #	218554246
NCBI GeneID	7126196
NCBI Accession #	YP_002387159.1

UniProt Primary Accession #	B7M0N5
UniProt Related Accession #	B7M0N5
GenBank Nucleotide #	NC_011741.1
NCBI Official Full Name	bifunctional cysteine desulfurase/selenocysteine lyase
NCBI Official Symbol	sufS
UniProt Protein Name	Cysteine desulfurase
UniProt Synonym Protein Names	Selenocysteine beta-lyase; Selenocysteine lyase; Selenocysteine reductase
Protein Family	Cysteine desulfurase
UniProt Gene Name	sufS
UniProt Synonym Gene Names	SCL
UniProt Entry Name	SUFS_ECO8A
NCBI Protein Information	bifunctional cysteine desulfurase/selenocysteine lyase
UniProt Comments for sufS	Cysteine desulfurases mobilize the sulfur from L-cysteine to yield L-alanine, an essential step in sulfur metabolism for biosynthesis of a variety of sulfur-containing biomolecules. Component of the suf operon, which is activated and required under specific conditions such as oxidative stress and iron limitation. Acts as a potent selenocysteine lyase in vitro, that mobilizes selenium from L-selenocysteine. Selenocysteine lyase activity is however unsure in vivo.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/cysteine-desulfurase-sufs/1232447