L-Seryl-Trna (Sec) Selenium Transferase (selA) Yersinia Pestis Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-seryl-tRNA (Sec) selenium transferase (selA), Recombinant Protein
Full Product Name	Recombinant Yersinia pestis L-seryl-tRNA (Sec) selenium transferase (selA)
Product Gene Name	selA recombinant protein
Product Synonym Gene Name	selA
Sequence	MSAEPHPLYR QLPAIDRLLN EPEMAPLLAE YGPVLLADTL RQLQAEAREY IGQFHTLADW CADWPAALRQ RLNQRQPALK PVFNLTGTVL HTNLGRAPLA ESAIAAVTDA MRSAVTLEYS LEGAGRGHRD RAVADLLCAL TGAEDACIVN NNAAAVFLLL TVMAAGKQVV VSRGELVEIG GAFRIPDVMR QAGCELVEVG TTNRTHLKDY RQAINENTGL LMKVHTSNYS IEGFTAAVSE QQLAALGQEC SIPTATDLGS GSLVDMTRYG LPAEPMPQQL IAAGVDLVTF SGDKLLGGPQ AGIILGKKQW IERLQQHPLK RALRADKMTL AALDATLRLY QQPDRLVEQL PSLRLLTRPA SEIAACAQRL LAPLIACYGT DFTLDIESCW SQIGSGSLPV DRLPSWALTF TPKDGRGSTL EALTARWRTL TKPVIGRVAD GRLWLDLRCL EDEAALLREL AS
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	50,209 Da
Sequence Positions	1-462, 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 Q8Z9Y1
Species	Yersinia pestis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for selA recombinant protein	MBS1337417 is a recombinant protein targeting selA. Also known as Recombinant Yersinia pestis L-seryl-tRNA (Sec) selenium transferase (selA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of selA 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 selA. It may not necessarily be applicable to this product.

NCBI GI #	488138400
NCBI Accession #	WP_002209608.1
UniProt Primary Accession #	Q8Z9Y1
UniProt Secondary Accession #	Q0W9X5

GenBank Nucleotide #	WP_002209608.1
NCBI Official Full Name	MULTISPECIES: L-selenocysteinyl-tRNA(Sec) synthase
UniProt Protein Name	L-seryl-tRNA(Sec) selenium transferase
UniProt Synonym Protein Names	Selenocysteine synthase
UniProt Gene Name	selA
UniProt Synonym Gene Names	Sec synthase
UniProt Comments for selA	Converts seryl-tRNA(Sec) to selenocysteinyl-tRNA(Sec) required for selenoprotein biosynthesis.
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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