# L-Seryl-Trna (Sec) Selenium Transferase (selA) Haemophilus Ducreyi Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | L-seryl-tRNA (Sec) selenium transferase (selA), Recombinant Protein |
| **Full Product Name** | Recombinant Haemophilus ducreyi L-seryl-tRNA (Sec) selenium transferase (selA) |
| **Product Gene Name** | selA recombinant protein |
| **Product Synonym Gene Name** | selA |
| **Sequence** | MQKLLSVIPS VDKLIKQLAG IALIQQYGHQ AFVAQARQVI DSLRQHILTH QSLPVDQPAD NLLSLIATNL QQTQQIAMKK VFNLTGTILH TNLGRAIWSE AAITAASDAM RHHSALEFDI EAGKRSHRDN TISQLLCEIT GAEAACVVNN NAAAVLLMLA TFAKGKEVIV SRGELVEIGG AFRIPDIMQQ AGCKLVEVGT TNRTHLKDYR AAINENTALL MKVHTSNYQI QGFTHSVSEQ QLVELGQEVG LPVMSDLGSG SLIDMATFGL PAEPLVQQKV ASGVALVTFS ADKLLGGPQA GIIVGKKADI EALQAHPLKR VLRCDKVILA GLEATLRHYL LPDQLTTHLP TLSLLTQSID HLRVKATRLQ NSLSKRLDAR YHLQIEQSLA QIGSGALPTE RLASLAVTIT APTQRDLLQL EQQFKMLKYP IIGRFAEQKL WLDLRSVAQF DQLIEMLEEK |
| **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** | 50,392 Da |
| **Sequence Positions** | 1-460, 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 Q7VKC2 |
| **Species** | Haemophilus ducreyi (strain 35000HP / 700724) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for selA recombinant protein** | MBS1332453 is a recombinant protein targeting selA. Also known as Recombinant Haemophilus ducreyi 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.

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| **NCBI GI #** | 499248191 |
| **NCBI Accession #** | WP_010945731.1 |
| **UniProt Primary Accession #** | Q7VKC2 |
| **GenBank Nucleotide #** | WP_010945731.1 |

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| **NCBI Official Full Name** | 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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