# ATP-Dependent Clp Protease ATP-Binding Subunit Clpx (clpX) Streptococcus Sanguinis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ATP-dependent Clp protease ATP-binding subunit ClpX (clpX), Recombinant Protein |
| **Full Product Name** | Recombinant Streptococcus sanguinis ATP-dependent Clp protease ATP-binding subunit ClpX (clpX) |
| **Product Gene Name** | clpX recombinant protein |
| **Sequence** | MPTSRNDDMM VFCSFCGKNQ DEVQKIIAGN NAFICNECVE LAQEIIREEL AEEVLADLSE VPKPQELLNI LNHYVIGQDR AKRALAVAVY NHYKRINYHD SREEEDVELQ KSNILMIGPT GSGKTFLAQT LARSLNVPFA IADATALTEA GYVGEDVENI LLKLLQAADF NIERAERGII YVDEIDKIAK KGENVSITRD VSGEGVQQAL LKIIEGTVAS VPPQGGRKHP QQEMIQVDTK NILFIVGGAF DGIEEIVKQR LGEKIIGFGQ NNRAIDEDSS YMQEIISEDV QKFGIIPELI GRLPVFAALE QLTVDDLVRI LKEPRNALIK QYQALLSYDD VKLEFDEDAL QEIANKAIER KTGARGLRSI IEETMMDVMF EVPSQENVKL VRITKEAVDG TDKPILETA |
| **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** | 45,617 Da |
| **Sequence Positions** | 1-409, 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 A3CMV1 |
| **Species** | Streptococcus sanguinis (strain SK36) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for clpX recombinant protein** | MBS1259216 is a recombinant protein targeting clpX. Also known as Recombinant Streptococcus sanguinis ATP-dependent Clp protease ATP-binding subunit ClpX (clpX). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of clpX 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 clpX. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 488984795 |
| **NCBI Accession #** | WP_002895582.1 |
| **UniProt Primary Accession #** | A3CMV1 |
| **GenBank Nucleotide #** | WP_002895582.1 |

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| **NCBI Official Full Name** | MULTISPECIES: ATP-dependent Clp protease ATP-binding subunit ClpX |
| **UniProt Protein Name** | ATP-dependent Clp protease ATP-binding subunit ClpX |
| **Protein Family** | ATP-dependent Clp protease ATP-binding |
| **UniProt Gene Name** | clpX |
| **UniProt Comments for clpX** | ATP-dependent specificity component of the Clp protease. It directs the protease to specific substrates. Can perform chaperone functions in the absence of ClpP. |
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