# ATP-Dependent Clp Protease Proteolytic Subunit (clpP) Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ATP-dependent Clp protease proteolytic subunit (clpP), Recombinant Protein |
| **Full Product Name** | Recombinant Escherichia coli O6:K15:H31 ATP-dependent Clp protease proteolytic subunit (clpP) |
| **Product Gene Name** | clpP recombinant protein |
| **Product Synonym Gene Name** | clpP |
| **Sequence** | ALVPMVIEQT SRGERSFDIY SRLLKERVIF LTGQVEDHMA NLIVAQMLFL EAENPEKDIY LYINSPGGVI TAGMSIYDTM QFIKPDVSTI CMGQAASMGA FLLTAGAKGK RFCLPNSRVM IHQPLGGYQG QATDIEIHAR EILKVKGRMN ELMALHTGQS LEQIERDTER DRFLSAPEAV EYGLVDSILT HRN |
| **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** | 23,187 Da |
| **Sequence Positions** | 15-207, 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 Q0TKK4 |
| **Species** | Escherichia coli O6:K15:H31 (strain 536 / UPEC) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for clpP recombinant protein** | MBS1353575 is a recombinant protein targeting clpP. Also known as Recombinant Escherichia coli O6:K15:H31 ATP-dependent Clp protease proteolytic subunit (clpP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of clpP 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 clpP. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446044398 |
| **NCBI Accession #** | WP_000122253.1 |
| **UniProt Primary Accession #** | Q0TKK4 |
| **GenBank Nucleotide #** | WP_000122253.1 |
| **NCBI Official Full Name** | MULTISPECIES: ATP-dependent Clp protease proteolytic subunit |
| **UniProt Protein Name** | ATP-dependent Clp protease proteolytic subunit |

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| **UniProt Synonym Protein Names** | Endopeptidase Clp |
| **Protein Family** | ATP-dependent Clp protease proteolytic |
| **UniProt Gene Name** | clpP |
| **UniProt Comments for clpP** | Cleaves peptides in various proteins in a process that requires ATP hydrolysis. Has a chymotrypsin-like activity. Plays a major role in the degradation of misfolded proteins. |
| **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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