# ATP-Dependent Protease Subunit Clpq (clpQ) Bacillus Amyloliquefaciens Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ATP-dependent protease subunit ClpQ (clpQ), Recombinant Protein |
| **Full Product Name** | Recombinant Bacillus amyloliquefaciens ATP-dependent protease subunit ClpQ (clpQ) |
| **Product Gene Name** | clpQ recombinant protein |
| **Sequence** | SSFHATTIFA VQHNGKSAMS GDGQVTFGQA VVMKHTARKV RKLFNGKVLA GFAGSVADAF TLFEMFEAKL EEYNGNLKRA SVELAKEWRS DKVLRKLEAM LIVMNQDTLL LVSGTGEVIE PDDGILAIGS GGNYALSAGR ALKTYAGENL SAKDIAKAAL KIAGEICVYT NDQIILEELE |
| **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** | 19,489 Da |
| **Sequence Positions** | 2-181, 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 A7Z4N5 |
| **Species** | Bacillus amyloliquefaciens (strain FZB42) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for clpQ recombinant protein** | MBS1259264 is a recombinant protein targeting clpQ. Also known as Recombinant Bacillus amyloliquefaciens ATP-dependent protease subunit ClpQ (clpQ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of clpQ 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 clpQ. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 489246099 |
| **NCBI Accession #** | WP_003154267.1 |
| **UniProt Primary Accession #** | A7Z4N5 |
| **GenBank Nucleotide #** | WP_003154267.1 |
| **NCBI Official Full Name** | MULTISPECIES: HslU--HslV peptidase proteolytic subunit |
| **UniProt Protein Name** | ATP-dependent protease subunit ClpQ |

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| **Protein Family** | ATP-dependent protease |
| **UniProt Gene Name** | clpQ |
| **UniProt Synonym Gene Names** | hslV |
| **UniProt Comments for clpQ** | Protease subunit of a proteasome-like degradation complex. |
| **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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