# Pectate Lyase E (pelE) Dickeya Dadantii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Pectate lyase E (pelE), Recombinant Protein |
| **Full Product Name** | Recombinant Dickeya dadantii Pectate lyase E (pelE) |
| **Product Gene Name** | pelE recombinant protein |
| **Sequence** | ASLQTTKATE AASTGWATQS GGTTGGAKAS SSKIYAVKSI SEFKAALNGT DSSPKIIQVT GAIDISGGKA YTSFDDQKAR SQISIPSNTT IIGIGNKGKF TNGSLVVKGV SNVILRNLYI ETPVDVAPHY EEGDGWNAEW DAVVIDSTDH VWVDHVTISD GSLTDDKYTT KNGEKYVQHD GSLDIKRGSD YVTVSNSRFE LHDKTILIGH SDNNGSQDAG KLRVTFHNNL FDRVGERTPR VRFGSVHAYN NVYVGDVNHK AYRYQYSFGI GTSGSLLSES NAFTIDNMKK ISGRDKECSV VKAFNGKIFS DKGSIINGAS YNLNGCGFGF SAYSAKIPYK YSAQTITTSL ANSISSNAGY GKL |
| **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** | 43,066 Da |
| **Sequence Positions** | 42-404, 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 P0C1A5 |
| **Species** | Dickeya dadantii (strain 3937) (Erwinia chrysanthemi (strain 3937)) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for pelE recombinant protein** | MBS1256160 is a recombinant protein targeting pelE. Also known as Recombinant Dickeya dadantii Pectate lyase E (pelE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of pelE 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 pelE. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 503084111 |
| **NCBI Accession #** | WP_013318982.1 |
| **UniProt Primary Accession #** | P0C1A5 |
| **UniProt Secondary Accession #** | P18210; E0SAZ2 |
| **GenBank Nucleotide #** | WP_013318982.1 |

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| **NCBI Official Full Name** | pectate lyase |
| **UniProt Protein Name** | Pectate lyase E |
| **Protein Family** | Probable pectin lyase |
| **UniProt Gene Name** | pelE |
| **UniProt Comments for pelE** | Involved in maceration and soft-rotting of plant tissue. Pectate lyases have been implicated as pathogenicity factors which induce maceration or rotting of plant tissue. PelE is sufficient to induce these effects under laboratory conditions. |
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