# DNA Polymerase Delta Catalytic Subunit (POLD1) Oryza Sativa Subsp. Japonica Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | DNA polymerase delta catalytic subunit (POLD1), Recombinant Protein |
| **Full Product Name** | Recombinant Oryza sativa subsp. japonica DNA polymerase delta catalytic subunit (POLD1), partial |
| **Product Gene Name** | POLD1 recombinant protein |
| **Product Synonym Gene Name** | POLD1 |
| **Sequence** | FGVTREGHSV CCQVHGFEPY FYISCPMGMG PDDISRFHQT LEGRMKDSNR NSNVPRFVKR IELVQKQTIM HYQPQQSQPF LKIVVALPTM VASCRGILER GITIEGLGSK SFLTYESNIL FALRFMIDCN IVGGNWIEVP AGKYMKAARI MSYCQLELDC LYSDLVSHAA EGEHSKMAPF RILSFDIECA GRKGHFPEPT HDPVIQIANL VTLQGEGQPF VRNVMTLKSC SPIVGVDVMS FDTERDVLLA WRDFIREVDP DIIIGYNICK FDLPYLIERA EVLKIVEFPI LGRIRNSRVR VRDTTFSSRQ YGMRESKDVA VEGRVQFDLL QAMQRDYKLS SYSLNSVSAH |
| **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** | 123,757 Da |
| **Sequence Positions** | 135-484. Partial. |
| **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 Q9LRE6 |
| **Species** | Oryza sativa subsp. japonica (Rice) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for POLD1 recombinant protein** | MBS1488136 is a recombinant protein targeting POLD1. Also known as Recombinant Oryza sativa subsp. japonica DNA polymerase delta catalytic subunit (POLD1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of POLD1 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 POLD1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 1002307302 |
| **NCBI GeneID** | 4349968 |
| **NCBI Accession #** | XP_015617044.1 |
| **UniProt Primary Accession #** | Q9LRE6 |

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| **UniProt Secondary Accession #** | Q2R9L5; Q53NH0; Q53P50; A0A0N7KSJ4 |
| **UniProt Related Accession #** | Q9LRE6 |
| **GenBank Nucleotide #** | XM_015761558.1 |
| **NCBI Official Full Name** | DNA polymerase delta catalytic subunit |
| **NCBI Official Symbol** | LOC4349968 |
| **NCBI Official Synonym Symbols** | POLD1; OspolD1 |
| **UniProt Protein Name** | DNA polymerase delta catalytic subunit |
| **Protein Family** | DNA polymerase |
| **UniProt Gene Name** | POLD1 |
| **NCBI Protein Information** | DNA polymerase delta catalytic subunit |
| **UniProt Comments for POLD1** | This polymerase possesses two enzymatic activities: DNA synthesis (polymerase) and an exonucleolytic activity that degrades single-stranded DNA in the 3'- to 5'-direction. |
| **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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