

DNA polymerase delta catalytic subunit (POLD1), Recombinant Protein

Cat RP12730

Size 0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.05 mg (Baculovirus)/ 0.2 mg (E-Coli)/ 0.5 mg (E-Coli)/ 0.2 mg (Yeast)/ 0.05 mg

(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 0.5 mg (Yeast)/ 1 mg (E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)

Oryza sativa subsp. japonica (Rice)

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

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

FGVTREGHSV CCQVHGFEFY FYISCPMGMG PDDISRFHQT LEGRMKDSNR NSNVPRFVKR IELVQKQTIM
HYQPQQSQPF LKIVVALPTM VASCRGILER GITIEGLGSK SFLTYESNIL FALRFMIDCN IVGGNWIEVP
AGKYMKAARI MSYCQLELDC LYSDLVSHAA EGEHSKMAPF RILSFDIECA GRKGHFPEPT HDPVIQIANL
VTLQGEGQPF VRNVM TLKSC SPIVGVDVMS FDTERDVLLA WRDFIREVDP DIIIGYNICK FDLPLYIERA
EVLKIVEFPI LGIRINSRVR VRDTTFSSRQ YGMRESKDVA VEGRVQFDLL QAMQRDYKLS SYSLNSVSAH

Sequence Positions

135-484. Partial.

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

123,757 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

DNA polymerase

NCBI Accession

XP_015617044.1

NCBI GI

1002307302

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

DNA polymerase delta catalytic subunit (POLD1), Recombinant Protein

Cat *RP12730*

Size 0.05 mg (*E-Coli*)/ 0.05 mg (*Yeast*)/ 0.05 mg (*Baculovirus*)/ 0.2 mg (*E-Coli*)/ 0.5 mg (*E-Coli*)/ 0.2 mg (*Yeast*)/ 0.05 mg

XM_015761358.1 (Mammalian-Cell)/ 0.1 mg (*Baculovirus*)/ 0.5 mg (*Yeast*)/ 1 mg

(*E-Coli*)/ 0.5 mg (*Baculovirus*)/ 0.1 mg (Mammalian-Cell)/ 1 mg

(*Yeast*)/ 1 mg (B

4349968

NCBI GeneID

NCBI Official Full Name

DNA polymerase delta catalytic subunit

NCBI Official Symbol

LOC4349968

NCBI Official Synonym Symbols

POLD1; OspoID1

NCBI Protein Information

DNA polymerase delta catalytic subunit

UniProt Gene Name

POLD1

UniProt Protein Name

DNA polymerase delta catalytic subunit

UniProt Primary Accession

Q9LRE6

UniProt Secondary Accession

Q2R9L5; Q53NH0; Q53P50; A0A0N7KSJ4

UniProt Related Accession

Q9LRE6

UniProt Comments

This polymerase possesses two enzymatic activities: DNA synthesis (polymerase) and an exonucleolytic activity that degrades single-stranded DNA in the 3'- to 5'-direction.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY