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## Datasheet for ABIN1634622 **POLD2 Protein (AA 1-469) (His tag)**

### Overview

Quantity:	1 mg
Target:	POLD2
Protein Characteristics:	AA 1-469
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLD2 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MFSEQAAQRA HTLLSPPSAS NATFARVPVA TYTNSSQPFR LGERSFNQRY AHIYATRLIQ MRPFLVSRQA QHWGSQVEVK KLCELQPGEQ CCVVGTLFKA MPLQPSILRE ISEHNLIPIQ PPRSKYIHPD DELVLEDELQ RIKLKGTIDV SKLVTGTVLA VFGSVKDDGK FQVEDHCFAD LAPQNPVPPL DTDRFVLLVS GLGLGGGGGE SLLGTQLLVD VVTGQLGDEG EQCSAAHVSR VILAGNLLSH NTQSRDSINK AKYLTKKQTQA ASVEAVKMLD EILLQLSASV PVDVMPGEFD PTNYTLPQQP LHPCMFPLAT AYATLQLVTN PYQATIDGVR FLGTSGQNVS DIFRYSSMED HLEILEWTLR VRHISPTAPD TLGCYPFYKT DPFIFAECPH VYFCGNTPSF GSKVIRGPED QAVLLVAVPD FSSTQTACLV NLRGLTCQPI SFAGFGAEQD DLEDLGLGP
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

Purity: > 90 %

## Target Details

Target: POLD2

Alternative Name: DNA polymerase delta subunit 2 (Pold2) ([POLD2 Products](#))

Background: Recommended name: DNA polymerase delta subunit 2.  
EC= 2.7.7.7.  
Alternative name(s): DNA polymerase delta subunit p50

UniProt: [Q6AXY4](#)

Pathways: [Telomere Maintenance](#), [DNA Damage Repair](#), [DNA Replication](#), [Synthesis of DNA](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.