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Datasheet for ABIN1511644 **POLD2 Protein (AA 1-463) (His tag)**

Overview

Quantity:	1 mg
Target:	POLD2
Protein Characteristics:	AA 1-463
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLD2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MFTDLAISGG PGLLTAPSEV QSTFTRVSNT QYSNCSSIFR LGERTFTRQY AHIYATRLEQ</p> <p>MRPLLIKSAA QRWGDDIAVR KLCELQGGEK CCVIGTLFKS MELQPSILRE ISEHNLLPQ</p> <p>PARQKYISDS DELILEDELQ RIKLEGATDV QQLVTGAVLA VLGAEDAGK FVVEDFCLTS</p> <p>LPVQSPLPRL SEDRFVLLTS GLGLGGGSGD SLMGLQLLLD LVTGQAGAAE DQGCAARISR</p> <p>VILAGNLLSE NTQKGDSLNN AKYLSKKTQA ASVEAVKMLD EILLQMSGSV SVDVMPGAFD</p> <p>PTNYILPQQP LHRCMFPQSA LYSTLQLVTN PYEAEIDGVR FLGTSGQNIG DIYKYSSMQD</p> <p>YLDILEWTLQ VGHLCPTAPD TLGCYPFYKS DPFILQNCPH VYFCGSAPKF SCKEVTGAEG</p> <p>QRVLLLTVPF FCSTQTACLV NLRTLQCQPI SFSGFGADDE LGD</p>
Specificity:	Xenopus laevis (African clawed frog)
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): XICdc1

UniProt: [O93610](#)

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

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