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Datasheet for ABIN1477445

**PCNA Protein (AA 1-261) (His tag)**

## Overview

Quantity:	1 mg
Target:	PCNA
Protein Characteristics:	AA 1-261
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCNA protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MFEARLVQGS ILKKVLEALK DLIDEACWDI TSSGISLQSM DSSHVSLVQL TLRSDGFDTY RCDRNQSIGV KMSSMSKILK CAASDDIITL RAEDNADTVT MVFESPNQEK VSDYEMKLMD LDVEQLGIPE QEYSCVIKMP SGEFARICRD LSQIGDAVVI SCAKDGVKFS ASGELGTGNV KLSQTSNVDK EEEAVTIEMN EPVQLTFALR YLNFFTKATP LSPTVILSMS ADIPLVVEYK IADMEHVKYY LAPKIEDEEA S
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.
Purity:	> 90 %

## Target Details

Target:	PCNA
Abstract:	<a href="#">PCNA Products</a>
Background:	Recommended name: Proliferating cell nuclear antigen. Short name= PCNA. Alternative name(s): Cyclin
UniProt:	<a href="#">P18248</a>
Pathways:	<a href="#">Telomere Maintenance</a> , <a href="#">DNA Damage Repair</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a> , <a href="#">Autophagy</a>

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