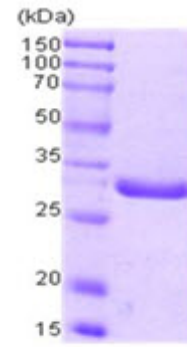


AR03008PU-L**Human PCNA (1-261) - Purified**

Alternate names:	Cyclin, Proliferating Cell Nuclear Antigen
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	PCNA (Proliferating Cell Nuclear Antigen) is found in the nucleus and is a cofactor of DNA polymerase delta. This protein is associated with DNA synthesis and repair. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. It appears during late G1- phase, S-phase of mitosis and persists until the end of the M-phase because of its long biological half-life. PCNA may be induced by UV irradiation, growth factors and eventually by neighbouring tumours.
Uniprot ID:	P12004
NCBI:	9606
GeneID:	5111
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS PAGE Buffer System: 20mM Tris-HCl, pH 7.5 containing 2mM EDTA and 20% Glycerol
Description:	Recombinant Human PCNA, was expressed in <i>E.coli</i> and purified by conventional chromatography techniques. AA Sequence: MFEARLVQGS ILKKVLEALK DLINEACWDI SSSGVNLQSM DSSHVSLVQL TLRSEGFDTY RCDRNLMAGV NLTSMKILK CAGNEDIITL RAEDNADTLA LVFEAPNQEK VSDYEMKLMD LDVEQLGIPE QEYSCVVKMP SGEFARICRD LSHIGDAVVI SCAKDGVKFS ASGELGNGNI KLSQTSNVDK EEEAVTIEMN EPVQLTFALR YLNFFTKATP LSSTVTLSMS ADVPLVVEYK IADMGHLKYY LAPKIEDEEG S Molecular weight: 28 kDa (261 aa), confirmed by MALDI-TOF
Add. Information:	NCBI Accession No.: NP_002583
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Matsumoto K, Moriuchi T, Koji T, Nakane PK. Molecular cloning of cDNA coding for rat proliferating cell nuclear antigen (PCNA)/cyclin. EMBO J. 1987 Mar;6(3):637-42. PubMed PMID: 2884104. 2. Moldovan GL, Pfander B, Jentsch S. PCNA, the maestro of the replication fork. Cell. 2007 May 18;129(4):665-79. PubMed PMID: 17512402.

Pictures:



15% SDS-PAGE (3ug)