

Recombinant Human Proliferating Cell Nuclear Antigen (PCNA)

Certificate of Analysis and Data Sheet

➤ Source: E.Coli	➤ Catalog No. PRO-303
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➤ **Background:**

Expression of proliferating cell nuclear antigen (PCNA) or cyclin or polymerase delta auxiliary protein is elevated in the nucleus during late G1 phase immediately before the onset of DNA synthesis, becoming maximal during S-phase and declining during G2 and M phases. PCNA/cyclin may act as an auxiliary protein of DNA polymerase-delta to play a fundamental role in the initiation of cell proliferation

➤ **Description :**

Recombinant Human Proliferating Cell Nuclear Antigen shows a band at 62kDa on SDS-PAGE commassie blue stained gel.
Recombinant PCNA purified by proprietary chromatographic techniques.

➤ **Physical Appearance:**

Sterile filtered liquid.

➤ **Formulation:**

100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.

➤ **Stability:**

Store vial at -20C° to -80C°. When stored at the recommended temperature, PCNA is stable for 12 months.

Please avoid freeze-thaw cycles.

➤ **Purity:**

Greater than 90.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by reducing and non-reducing SDS-PAGE coomassie blue gel.

➤ **Dimers and aggregates:**

Less than 1% as determined by coomassie blue SDS-PAGE gel analysis.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of Human PCNA.

➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.