

Recombinant Human Proliferating Cell Nuclear Antigen (PCNA)

CATALOG #:	4835-5
AMOUNT:	5 µg (in 5 µl)
SOURCE:	sf9 insect cells
PURITY:	≥ 95% as determined by SDS-PAGE and HPLC
MOLECULAR WEIGHT:	29.8 kDa
PHYSICAL APPEARANCE:	Sterile filtered liquid
FORMULATION:	Supplied in 16 mM HEPES buffer pH 8, 400 mM NaCl, and 20% glycerol.
STORAGE CONDITIONS:	Stored at -20° C to -80° C. Stable for 6-12 months. Avoid freeze-thaw cycles.

DESCRIPTION:

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. Recombinant PCNA was expressed with a 6x His tag in sf9 insect cells and purified by proprietary chromatographic techniques.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione Fluorometric & Colorimetric Assay Kits
- Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP & PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- Luciferase and Beta-Gal Reporter Assays

Antibodies & Recombinant Proteins (many)