



## Product Datasheet

<b>Product Name</b>	Proliferating Cell Antigen Human Recombinant, Sf9
<b>Cata No</b>	CB500924
<b>Source</b>	<i>Sf9 insect cells.</i>
<b>Synonyms</b>	Proliferating cell nuclear antigen, PCNA, Cyclin, MGC8367.

### Description

Proliferating cell nuclear antigen (PCNA), a protein of 30 kDa molecular weight also known as cyclin, forms a trimer ring around a DNA double-helix. It binds to a variety of other nuclear proteins and thereby organises biochemical processes at the DNA replication fork. PCNA thereby assumes important functions in DNA synthesis, repair and processing, the regulation of cell cycle and even apoptosis.

Anti-PCNA antibodies occur in systemic lupus, where they represent a rare specificity (< 10 % of SLE patients). However, their presence alone or in combination with other autoantibodies should alert the clinician to the presence of defined or evolving SLE.

PCNA Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular

mass of 29,794 Dalton.

PCNA is expressed with a -6xHis tag and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered colorless solution.

### Purity

Greater than 95% as determined by SDS-PAGE.

### Formulation

Recombinant Human PCNA is supplied in 16mM HEPES buffer pH-8, 400mM NaCl, and 20% glycerol.

### Applications

Western-Blot with monoclonal anti-hexa-His-tag antibody & Scleroderma patient sera.