

## 32-4408: Recombinant Human Proliferating Cell Antigen, GST Tag(Discontinued)

**Alternative Name :** Proliferating cell nuclear antigen,PCNA,Cyclin,MGC8367.

### Description

Source : Escherichia Coli. PCNA full length Human Recombinant protein produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 62kDa which includes GST-tag fusion protein. PCNA is located in the nucleus and is a cofactor of DNA polymerase delta. PCNA acts as a homotrimer and helps elevate the processivity of leading strand synthesis during DNA replication. In reaction to DNA damage, PCNA is ubiquitinated and takes part in the RAD6-dependent DNA repair pathway. 2 transcript variants encoding the same protein have been found for PCNA gene. Pseudogenes of this PCNA gene have been described on chromosome 4 and on the X chromosome. PCNA is expressed 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 is induced by UV irradiation.

### Product Info

**Amount :** 5 µg

**Content :** The PCNA solution contains 50mM Tris-Acetate pH-7.5 & 1mM EDTA & 20% glycerol.

**Storage condition :** PCNA although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

