

Recombinant Human PCNA Protein, His-tagged

Cat. No. PCNA-110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCNA, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	28.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	PCNA proliferating cell nuclear antigen [Homo sapiens]
Official Symbol	PCNA
Synonyms	PCNA; proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein; MGC8367;
Gene ID	5111
mRNA Refseq	NM_002592
Protein Refseq	NP_872590
MIM	176740
UniProt ID	P12004

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