

Recombinant Human PCNA Protein

Cat. No. PCNA-066H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PCNA protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	261
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	Solution
Molecular Mass	28.8 kDa
AA Sequence	MFEARLVQGSILKKVLEALKDLINEACWDISSSGVNLQSMDSHVSLSVQLTLRSEGF DTYRCDRNLAMGVNLTSMKILKCAGNEDIITLRAEDNADTLALVFEAPNQEKVSDY EMKLMDLDVEQLGIPEQEYSCVVKMPSGEFARICRDLSHIGDAVVISCAKDGVKFSA SGELGNGNIKLSQTSNVDKEEEAVTIEMNEPVQLTFALRYLNFFTKATPLSSTVTLSM SADVPLVVEYKIADMGHLKYYLAPKIEDEEGS

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Purity	> 95%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	4°C
Concentration	1 mg/mL
Storage Buffer	Tris (pH 7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	PCNA proliferating cell nuclear antigen [Homo sapiens (human)]
Official Symbol	PCNA
Synonyms	PCNA; proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein; MGC8367;
Gene ID	5111
mRNA Refseq	NM_002592

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Protein Refseq	NP_002583
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MIM	176740
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UniProt ID	P12004
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