

Recombinant Human PCNA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PCNA-5685H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PCNA MS Standard C13 and N15-labeled recombinant protein (NP_002583) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	28.8 kDa
AA Sequence	MFEARLVQGSILKKVLEALKDLINACWDISSSGVNLQSMDSHVSLVQLTLRSEGF DTYRCDRNLAMGVNLTSMKILKCAGNEDIITLRAEDNADTLALVFEAPNQEKVSDY EMKLMDLDVEQLGIPEQEYSCVVKMPSGEFARICRDLSHIGDAVVISCAKDGVKFSA SGELGNGNIKLSQTSNVDKEEEAVTIEMNEPVQLTFALRYLNFFTKATPLSSTVTLSM SADVPLVVEYKIADMGHCLKYYLAPKIEDEEGSTRTRPLEQKLISEEDLAANDILDYKD DDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

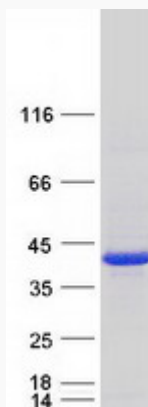
Gene Name	PCNA proliferating cell nuclear antigen [Homo sapiens (human)]
Official Symbol	PCNA
Synonyms	PCNA; proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein; MGC8367;
Gene ID	5111
mRNA Refseq	NM_002592
Protein Refseq	NP_002583
MIM	176740
UniProt ID	P12004

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SDS-PAGE



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