

Recombinant Full Length Human PCNA Protein, C-Flag-tagged

Cat. No. PCNA-249HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PCNA Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.6 kDa
AA Sequence	<p>MFEARLVQGSILKKVLEALKDLINACWDISSSGVNLQSMDSHVSLVQLTLRSEGF DTYRCDRNLAMGV NLTSMKILKCAGNEDIITLRAEDNADTLALVFEAPNQEKVSDY EMKLMDL DVEQLGIPEQEYSCVVKMP SGEFARICRDL SHIGDAVVISCAKDGVKFSA SGELGNGNIKLSQTSNVDKEEEEAVTIEMNEPVQLTFALR YLNFFTKATPLSSTVTLSMSADVPLVVEYKIADMGHLYLAPKIEDEEGSTRTRPLE QKLISEEDLAANDILDYKDDDDKV</p>

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Base excision repair, Cell cycle, DNA replication, Mismatch repair, Nucleotide excision repair
Full Length	Full L.

GENE INFORMATION

Gene Name	PCNA proliferating cell nuclear antigen [Homo sapiens (human)]
Official Symbol	PCNA
Synonyms	ATLD2
Gene ID	5111
mRNA Refseq	NM_002592.2

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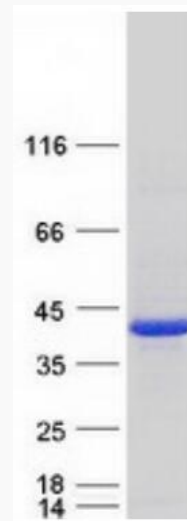
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Protein Refseq NP_002583.1

MIM 176740

UniProt ID P12004



Coomassie blue staining of purified PCNA protein.

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