

Product datasheet for **TP750150**

PCNA (NM_182649) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human proliferating cell nuclear antigen (PCNA), transcript variant 2, full length, tag free, expressed in E.Coli, 50 ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding full-length of PCNA
Tag:	Tag Free
Predicted MW:	28.8KDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	20 mM Tris-HCl, pH 7.5, 2 mM EDTA, 20% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_872590
Locus ID:	5111
UniProt ID:	P12004
RefSeq Size:	1319
Cytogenetics:	20p12.3
RefSeq ORF:	783
Synonyms:	ATLD2

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Summary:

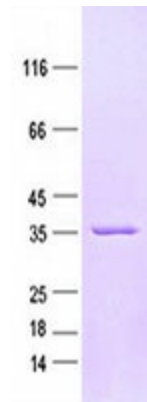
The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved 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. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Base excision repair, Cell cycle, DNA replication, Mismatch repair, Nucleotide excision repair

Product images:


Purified recombinant protein PCNA was analyzed by SDS-PAGE gel and Coomossie Blue Staining.