

Product datasheet for **TP301741M**

PCNA (NM_002592) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human proliferating cell nuclear antigen (PCNA), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201741 protein sequence Red =Cloning site Green =Tags(s)

MFEARLVQGSILKKVLEALKDLINEACWDISSGVNLQSMDSHSVSLVQLTLRSEGFDTYRCDRNLAMGV
NLTSMSKILKCAGNEDIITLRAEDNADTLALVFEAPNQEKVSDYEMKLMDLQVQLGIPEQEYSCVVKMP
SGEFARICRDLSHIGDAVVISCAKDGKFSASGELGNGNIKLSQTSNVDKEEEAVTIEMNEPVQLTFALR
YLNFFTKATPLSSTVTLSMSADVPLVVEYKIADMGHLYLAPKIEDEEGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	28.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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_002583
Locus ID:	5111



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UniProt ID: [P12004](#)

RefSeq Size: 1355

Cytogenetics: 20p12.3

RefSeq ORF: 783

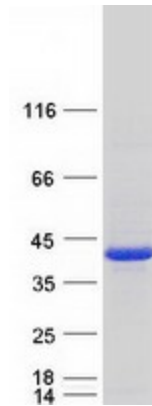
Synonyms: ATLD2

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:



Coomassie blue staining of purified PCNA protein (Cat# [TP301741]). The protein was produced from HEK293T cells transfected with PCNA cDNA clone (Cat# [RC201741]) using MegaTran 2.0 (Cat# [TT210002]).