

# Product datasheet for AR03008PU-N

### PCNA (1-261) Human Protein

#### **Product data:**

#### OriGene Technologies, Inc.

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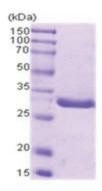
Description:PCNA (1-261) human recombinant protein, 0.1 mgSpecies:HumanExpression Host:E. coliExpression cDNA Clome or AA Sequence:MFEARLVQGS ILKKVLEALK DLINEACWDI SSSGVNLQSM DSSHVSLVQL TLRSEGFDTY RCDRNLAMGY NLTSMSKILK CAGNEDITL RAEDNADTLA LVFEAPNQEK VSDYEMKLMD LDVEQLGIPE QEYSCVVKMP SGEFARICRD LSHIGDAVVI SCAKDGVKFS ASGELGNGNI KLSQTSNVDK EEEAVTIEMN EPVQLTFALR YLNFFTKATP LSSTVTLSMS ADVPLVVEYK IADMGHLKYY LAPKIEDEEG SPredicted MW:28 kDaConcentration:Iot specificPurity:>95% by SDS PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein State: System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolNote:NCB Accession No.: NP_002583Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.Refseq:MP_002583Locus ID:111UniProt ID:12004	Product Type:	Recombinant Proteins
Expression Host:E. coliExpression cDNA CloneMFEARLVQGS ILKKVLEALK DLINEACWDI SSSGVNLQSM DSSHVSLVQL TLRSEGFDTY RCDRNLAMGV NLTSMSKILK CAGNEDITL RAEDNADTLA LVFEAPNQEK VSDYEMKLMD LDVEQLGIPE QEYSCVVKMP SGEFARICRD LSHIGDAVVI SCAKDGVKFS ASGELGNGNI KLSQTSNVDK EEEAVTIEMN EPVQLTFALR YLNFFTKATP LSSTVTLSMS ADVPLVVEYK IADMGHLKYY LAPKIEDEEG SPredicted MW:28 kDaConcentration:lot specificPurity:>95% by SDS PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolProtein Description:Recombinant Human PCNA, was expressed in <i>E.coli</i> and purified by conventional chromatography techniques.Note:NCBI Accession No.: NP_002583Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP_002583Locus ID:Sti11	Description:	PCNA (1-261) human recombinant protein, 0.1 mg
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or AA Sequence:RCDRNLAMGV NLTSMSKILK CAGNEDIITL RAEDNADTLA LVFEAPNQEK VSDYEMKLMD LDVEQLGIPE QEYSCVVKMP SGEFARICRD LSHIGDAVVI SCAKDGVKFS ASGELGNGNI KLSQTSNVDK EEEAVTIEMN EPVQLTFALR YLNFFTKATP LSSTVTLSMS ADVPLVVEYK IADMGHLKYY LAPKIEDEEG SPredicted MW:28 kDaConcentration:lot specificPurity:>95% by SDS PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolProtein Description:Recombinant Human PCNA, was expressed in <i>E.coli</i> and purified by conventional chromatography techniques.Note:NCBI Accession No: NP_002583Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.Refseq:NP_002583Locus ID:5111	Expression Host:	E. coli
Concentration:lot specificPurity:>95% by SDS PAGEBuffer:Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolPreparation:Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 7.5 containing 2 mM EDTA and 20% GlycerolProtein Description:Recombinant Human PCNA, was expressed in <i>E.coli</i> and purified by conventional chromatography techniques.Note:NCBI Accession No::NP_002583Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:MP 002583Jourd BUTStore StateJourd BUTStateJourd BUTStateJourd BUTStateJourd BUTStateJourd BUTStateJourd BUT <td>•</td> <td>RCDRNLAMGV NLTSMSKILK CAGNEDIITL RAEDNADTLA LVFEAPNQEK VSDYEMKLMD LDVEQLGIPE QEYSCVVKMP SGEFARICRD LSHIGDAVVI SCAKDGVKFS ASGELGNGNI KLSQTSNVDK EEEAVTIEMN EPVQLTFALR YLNFFTKATP LSSTVTLSMS ADVPLVVEYK IADMGHLKYY</td>	•	RCDRNLAMGV NLTSMSKILK CAGNEDIITL RAEDNADTLA LVFEAPNQEK VSDYEMKLMD LDVEQLGIPE QEYSCVVKMP SGEFARICRD LSHIGDAVVI SCAKDGVKFS ASGELGNGNI KLSQTSNVDK EEEAVTIEMN EPVQLTFALR YLNFFTKATP LSSTVTLSMS ADVPLVVEYK IADMGHLKYY
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Avoid repeated freezing and thawing.Stability:Shelf life: one year from despatch.RefSeq:NP 002583Locus ID:5111	Note:	NCBI Accession No.: NP_002583
RefSeq: NP 002583   Locus ID: 5111	Storage:	
Locus ID: 5111	Stability:	Shelf life: one year from despatch.
	RefSeq:	<u>NP 002583</u>
UniProt ID: <u>P12004</u>	Locus ID:	5111
	UniProt ID:	<u>P12004</u>
Cytogenetics: 20p12.3	Cytogenetics:	20p12.3
	Synonyms:	ATLD2
SVNONVMS: AILUZ		



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	PCNA (1-261) Human Protein – AR03008PU-N
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 Familie Protein Pathwa	

## Product images:



15% SDS-PAGE (3ug)

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