

Datasheet for ABIN934965
PCNA Protein (AA 1-261)



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1 Image

Overview

Quantity:	100 µg
Target:	PCNA
Protein Characteristics:	AA 1-261
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MFEARLVQGS ILKKVLEALK DLINEACWDI SSSGVNLQSM DSSHVSLVQL TLRSEGFDTY
RCDRNLAMGV NLTSMKILK CAGNEDIITL RAEDNADTLA LVFEAPNQEK VSDYEMKLMD
LDVEQLGIPE QEYSCVVKMP SGEFARICRD LSHIGDAWVI SCAKDGVKFS ASGELGNGNI
KLSQTSNVDK EEEAVTIEMN EPVQLTFALR YLNFFTKATP LSSTVTLSMS ADVPLVVEYK
IADMGHLKYY LAPKIEDEEG S

Characteristics: Purified recombinant Human PCNA protein
Expression System: E.coli
Molecular weight on SDS-PAGE will appear higher.

Purity: > 95 % pure

Target Details

Target: PCNA

Target Details

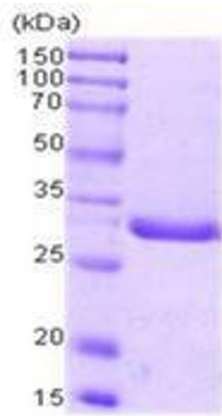
Alternative Name:	PCNA (PCNA Products)
Background:	<p>PCNA (Proliferating Cell Nuclear protein) is found in the nucleus and is a cofactor of DNA polymerase delta. This protein is associated with DNA synthesis and repair. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. It appears during late G1- phase, S-phase of mitosis and persists until the end of the M-phase because of its long biological half-life. PCNA may be induced by UV irradiation, growth factors and eventually by neighbouring tumours. Recombinant human PCNA, was expressed in E. coli and purified by conventional chromatography techniques.</p> <p>Alternative Names: PCNA protein, , Proliferating cell nuclear protein protein, MGC8367 protein, Proliferating cell nuclear protein protein</p>
Molecular Weight:	28 kDa (261 AA)
Pathways:	Telomere Maintenance , DNA Damage Repair , Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Autophagy

Application Details

Application Notes:	PCNA protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 20 mM Tris, pH 7.5, containing 0 mM EDTA, and 20 % glycerol.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.