



# Human PCNA blocking peptide (DAG-P1738)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Sequence Similarities</b>	Belongs to the PCNA family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PCNA proliferating cell nuclear antigen [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PCNA
<b>Synonyms</b>	PCNA; proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein;
<b>Entrez Gene ID</b>	<a href="#">5111</a>

<b>mRNA Refseq</b>	<a href="#">NM_002592.2</a>
<b>Protein Refseq</b>	<a href="#">NP_002583.1</a>
<b>UniProt ID</b>	P12004
<b>Chromosome Location</b>	20pter-p12
<b>Pathway</b>	BARD1 signaling events, organism-specific biosystem; BRCA1-associated genome surveillance complex (BASC), organism-specific biosystem; BRCA1-associated genome surveillance complex (BASC), conserved biosystem; Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, or
<b>Function</b>	DNA polymerase binding; DNA polymerase processivity factor activity; MutLalpha complex binding; dinucleotide insertion or deletion binding; identical protein binding; protein binding; purine-specific mismatch base pair DNA N-glycosylase activity; receptor