Recombinant Mouse Proliferating cell nuclear antigen (Pcna)

Product Code	CSB-EP017621MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P17918
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MFEARLIQGS ILKKVLEALK DLINEACWDV SSGGVNLQSM DSSHVSLVQL TLRSEGFDTY RCDRNLAMGV NLTSMSKILK CAGNEDIITL RAEDNADTLA LVFEAPNQEK VSDYEMKLMD LDVEQLGIPE QEYSCVIKMP SGEFARICRD LSHIGDAVVI SCAKNGVKFS ASGELGNGNI KLSQTSNVDK EEEAVTIEMN EPVHLTFALR YLNFFTKATP LSPTVTLSMS ADVPLVVEYK IADMGHLKYY LAPKIEDEEA S
Source	E.coli
Target Names	Pcna
Protein Names	Recommended name: Proliferating cell nuclear antigen Short name= PCNA Alternative name(s): Cyclin
Expression Region	1-261
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life

of lyophilized form is 12 months at -20°C/-80°C.