

Human PCNA (His Tag) recombinant protein



Catalog Number: 501968

General Information

Gene Name Synonym

Cyclin

Protein Construction

A DNA sequence encoding the mature form of human PCNA (P12004) (Met 1-Ser 261) was expressed, with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human PCNA consists of 280 amino acids and has a calculated molecular mass of 31 kDa. It migrates as an approximately 36 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Na₃PO₄, 300mM NaCl, 10% glycerol, pH 7.0, 2mM DTT

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

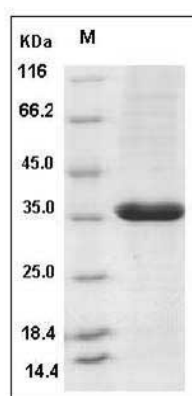
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human PCNA Protein (His Tag) SDS-PAGE