

RP02787

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Recombinant Human PC4/SUB1 Protein

Catalog No.: RP02787

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
<i>E. coli</i>	10923	P53999

Tags

No tag

Synonyms

P15; PC4; p14; RPO2TC1; SUB1

Background

SUB1 belongs to the transcriptional coactivator PC4 family. It is a general coactivator that functions cooperatively with TAFs and mediates functional interactions between upstream activators and the general transcriptional machinery. SUB1 binds single-stranded DNA. Single-stranded DNA-binding proteins play many roles in nucleic acid metabolism, but their importance during transcription remains unclear. SUB1 exhibits strong genetic interactions with factors necessary for promoter melting. It localizes near the transcription bubble in vitro and binds to promoters in vivo dependent upon preinitiation complexes assembly. SUB1 interacts with the nontemplate strand of RNAPII complexes during initiation. It may also be involved in stabilizing the multiprotein transcription complex.

Product Information

Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 90 % as determined by SDS-PAGE.

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, 10% glycerol, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of

Basic Information

Description

Recombinant Human PC4/SUB1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Leu127) of human PC4/SUB1 (Accession #NP_006704.3) fused with no additional amino acid.

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C. Avoid repeated freeze/thaw cycles.

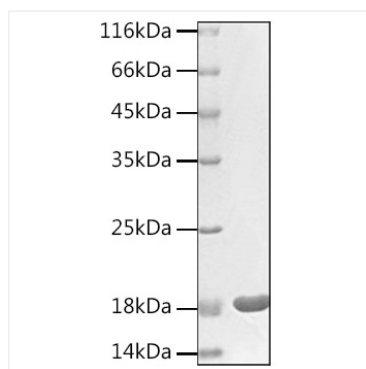
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Contact



www.abclonal.com

Validation Data



Recombinant Human PC4/SUB1
Protein was determined by SDS-
PAGE under reducing conditions with
Coomassie Blue.