

Product datasheet

Recombinant Human PC4 (mutated S13 + S15 + S17 + S19) protein ab81957

Description

Product name	Recombinant Human PC4 (mutated S13 + S15 + S17 + S19) protein
Biological activity	1 unit equals 1 nanogram of purified protein.
Purity	> 95 % SDS-PAGE. ab81957 is purified by conventional chromatography.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Modifications	mutated S

Specifications

Our **Abpromise guarantee** covers the use of **ab81957** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies Gel Supershift Assays EMSA
Form	Liquid
Additional notes	Wild-type PC4, but not the kinase inhibitory-deficient mutant of PC4 (serine mutations), represses specific transcription in vivo. 1 unit equals 1 nanogram of purified protein.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.9
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Constituents: 0.75% Potassium chloride, 0.0154% DTT, 0.316% Tris HCl, 0.00584% EDTA, 20% Glycerol (glycerin, glycerine)

General Info

Function	General coactivator that functions cooperatively with TAFs and mediates functional interactions between upstream activators and the general transcriptional machinery. May be involved in stabilizing the multiprotein transcription complex. Binds single-stranded DNA. Also binds, in vitro, non-specifically to double-stranded DNA (ds DNA).
Sequence similarities	Belongs to the transcriptional coactivator PC4 family.
Post-translational modifications	Activity is controlled by protein kinases that target the regulatory region. Phosphorylation inactivates both ds DNA-binding and cofactor function, but does not affect binding to ssDNA. Seems to be phosphorylated in vivo by CK2 in at least 7 sites in the N-terminal Ser-rich region.
Cellular localization	Nucleus.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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