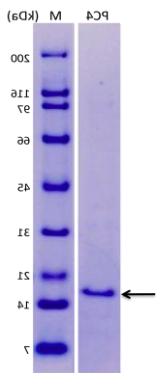


PC4 (human recombinant)

Catalog Number	Size
AG210-10	10ug
AG210-25	25ug
AG210-B	Bulk

Specifications and Use

Description



Human Positive Cofactor 4 (PC4) was purified from HeLa cells and capable of enhancing activated transcription by diverse gene- or/and tissue-specific DNA-binding nuclear protein. Phosphorylation of PC4 at its N-terminal domain negatively regulates its ability to bind to activators and DNA. Recent studies have demonstrated that PC4 is one of the common cancer markers. Its expression correlates well with tumorigenesis of most common tumors. Recombinant human PC4 was expressed in E coli and purified by the combination of conventional and FPLC chromatography methods to >95% homogeneity. It has been tested for its activity in different assays including in vitro transcription, gel mobility shift assay and DNA-binding assay.

MPKSKELVSSGSSGSDSDSEVDKLLKRKKQVAPEPVKKQKTGETSRALS
SSKQSSSRDDNMFQIGKMRYVSVRDFKGVLLIDIREYWMDPEGEMKPG
RKGISLNPEQWSQLKEQISDIDDAVRKL

Accession Number

NP_006704

Source

E. Coli.

Molecular Mass

Approximately 15kDa.

Purity

≥95%, as determined by SDS-PAGE

Biological Activity

Recombinant PC4 protein is suitable for in vitro transcription, protein-protein and protein-DNA interactions, and other in vitro assays.

Formulation

20mM Tris-Cl, pH7.9, 20% glycerol, 100mM NaCl and 0.5mM EDTA. Sterilized by passing through a 0.2µm filter.

Storage

The protein sample can be stored under sterile conditions at 2-8° C for one month or at -80° C for 12 months without detectable loss of activity. Avoid repeated thaw-freeze cycles.

Special Notes

FOR RESEARCH ONLY