KAT2B
Recombinant Human p300/CBP-Associated Factor

Catalog No.	CSI12193	**Quantity:**	5 µg

Alternate Names: K(lysine) acetyltransferase 2B, P, CAF, PCAF, P/CAF, KAT2B

Description: CBP and p300 are large nuclear proteins that bind to many sequence-specific factors involved in cell growth and/or differentiation, including c-jun and the adenoviral oncoprotein E1A. p300/CBP-Associated Factor (CPAF) associates with the p300/CBP nuclear proteins. It has in vitro and in vivo binding activity with CBP and p300, and competes with E1A for binding sites in p300/CBP. PCAF belongs to the GCN5/PCAF family of nuclear HATs. The proteins consist of N-terminal and C-terminal domains separated by a deep hydrophobic cleft. The C-terminus contains the HAT domain and a bromodomain, while the N terminus contains a PCAF-specific domain. Numerous studies indicate that these HATs function as histone-acetylating transcriptional co-activators. Besides histones, PCAF also acetylates non-histone proteins. It has histone acetyltransferase activity with core histones and nucleosome core particles, indicating that this protein plays a direct role in transcriptional regulation.

Gene ID: 8850

Source: Sf9 Insect Cells

Molecular Weight: 91 kDa

Formulation: Liquid in 20 mM Tris-HCl Buffer, pH 8.0 + 100 mM KCl + 0.2 mM EDTA + 1 mM DTT + 20% Glycerol.

Purity: > 95% by SDS-PAGE

Endotoxin Level: < 0.1 ng/µg of protein.

Biological Activity: 1-5 ng are sufficient for a gel mobility shift assay in a 20 µl reaction, 50-100 ng are sufficient for reconstituted transcription assay and 100-200 ng are sufficient for a protein-protein interaction assay or an acetylation assay.

Storage & Stability: Store at -80°C. Stable for 1 year. **Avoid repeated freeze-thaw cycles.**

Applications:
Protein-protein Interaction Assays
In vitro Transcription Assays
In vitro Acetylation Assays
Cell Growth Assays

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Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com