

Recombinant Human K(lysine) Acetyltransferase 2B, GST-tagged

Cat. No. KAT2B-1481H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PCAF (431-end) was expressed in <i>E. coli</i> cells using a N-terminal GST tag. MW = 69 kDa.
Species	Human
Source	<i>E. coli</i>
Protein Length	431-end a.a.
Description	PCAF is a protein that shows homology to the yeast GCN5 and associates with p300/CBP. PCAF has in vitro and in vivo binding activity with CBP and p300, and competes with E1A for binding sites in p300/CBP. PCAF encodes a predicted 832-amino acid protein that showed by RNA blotting to be expressed in all tissues, most strongly in heart and skeletal muscle. PCAF has histone acetyl transferase activity with core histones and nucleosome core particles, indicating that this protein plays a direct role in transcriptional regulation. PCAF is required for MyoD activity and muscle differentiation. PCAF directly acetylated MyoD which then displays an increased affinity for its DNA target.
Sequence	431-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities

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after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	KAT2B K(lysine) acetyltransferase 2B [Homo sapiens]
Synonyms	KAT2B; K(lysine) acetyltransferase 2B; P; CAF; PCAF; P/CAF; CREBBP-associated factor; p300/CBP-associated factor; Histone acetyltransferase KAT2B; EC 2.3.1.48; Lysine acetyltransferase 2B; Histone acetylase PCAF; P300/CBP-associated factor; P/CAF; GCN5; GCN5L
Gene ID	8850
mRNA Refseq	NM_003884
Protein Refseq	NP_003875
MIM	602303
UniProt ID	Q92831
Chromosome Location	3p24
Pathway	Notch signaling pathway; Gene Expression; Transcription
Function	histone acetyltransferase activity; histone deacetylase binding; transcription coactivator activity; transferase activity

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