

Recombinant Human KAT2B , GST-tagged

Cat. No. KAT2B-6953H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KAT2B (PCAF) (431-end; contains the catalytic domain) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	431 aa-end; contains the catalytic domain
Description	KAT2B (also known as PCAF) is a transcription cofactor with a histone acetyltransferase (HAT) activity. KAT2B protein associates with p300/CBP which is a large nuclear protein that bind to many sequence-specific factors that are involved in cell growth and/or differentiation, including c-jun and the adenoviral oncoprotein E1A. KAT2B has histone acetyl transferase activity with core histones and nucleosome core particles indicating that KAT2B plays a direct role in transcriptional regulation. PCAF functions as a coordinating factor in the regulation of HIF1A-mediated apoptosis and p53-dependent cell cycle progression.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~70 kDa
Purity	>95%

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Applications	Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 µg/µ
GENE INFORMATION	
Gene Name	KAT2B K(lysine) acetyltransferase 2B [Homo sapiens]
Official Symbol	KAT2B
Synonyms	KAT2B; K(lysine) acetyltransferase 2B; p300/CBP associated factor , PCAF; histone acetyltransferase KAT2B; GCN5; GCN5L; P/CAF; histone acetylase PCAF; CREBBP-associated factor; p300/CBP-associated factor; lysine acetyltransferase 2B; histone acetyltransferase PCAF; P; CAF; PCAF;
Gene ID	8850
mRNA Refseq	NM_003884
Protein Refseq	NP_003875
MIM	602303
UniProt ID	Q92831
Chromosome Location	3p24

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Pathway

Androgen Receptor Signaling Pathway, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; FoxO family signaling, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; HTLV-I infection, organism-specific biosystem;

Function

acetyltransferase activity; cyclin-dependent protein kinase inhibitor activity; histone acetyltransferase activity; histone deacetylase binding; lysine N-acetyltransferase activity; lysine N-acetyltransferase activity; protein binding; protein kinase binding; transcription coactivator activity; transcription cofactor activity; transcription factor binding; transferase activity, transferring acyl groups;

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