

Datasheet for ABIN6700184  
**KAT2B Protein (GST tag)**



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## Overview

Quantity:	20 µg
Target:	KAT2B
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KAT2B protein is labelled with GST tag.
Application:	Western Blotting (WB)

## Product Details

Purpose:	PCAF recombinant protein-GST fusion protein
Purification:	Recombinant human PCAF (431-end) was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >70% by densitometry.
Purity:	>70%

## Target Details

Target:	KAT2B
Alternative Name:	KAT2B ( <a href="#">KAT2B Products</a> )
Background:	<p>Synonyms: CAF, GCN5, GCN5L, P/CAF, GCN5L1, KAT2A, K, lysine acetyltransferase 2B, Histone acetyltransferase KAT2B</p> <p>Background: PCAF is a protein that shows homology to the yeast GCN5 and associates with</p>

## Target Details

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 (1). 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 (2). PCAF Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferase Proteins, Cancer, Cell Cycle, and NfκB Pathway research.

NCBI Accession: [NM\\_003884](#)

Pathways: [p53 Signaling](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: Western\_Blot\_Dilution: User Optimized  
Other: Kinase Assay-User Optimized  
Application\_Note: PCAF Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~69 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: PCAF Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months