

## Datasheet for ABIN6699787 p300 Protein (GST tag)



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### Overview

Quantity:	20 µg
Target:	p300 (EP300)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This p300 protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	P300 recombinant protein-GST fusion protein
Purification:	Recombinant human P300 (1283-1673) was expressed in Sf9 cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

### Target Details

Target:	p300 (EP300)
Alternative Name:	EP300 ( <a href="#">EP300 Products</a> )
Background:	Synonyms: EP300, KAT3B, Histone acetyltransferase p300 Background: P300 encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein (1). P300 is related by sequence to CBP and like CBP can stimulate

## Target Details

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transcription through activation of CREB. The P300 activity is specifically inhibited by the adenovirus oncoprotein E1A. P300 has also been identified as a co-activator of HIF1A (hypoxia-inducible factor 1 alpha), and thus plays a role in the stimulation of hypoxia-induced genes such as VEGF. P300 is a components of DRAF1 (double-stranded RNA-activated factor-1), a positive regulator of interferon-stimulated gene transcription that functions as a direct response to viral infection (2). P300 Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferase Proteins, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, Cell Cycle, ERK/MAPK Pathway, Inflammation, Invasion/Metastasis, Metabolic Disorder, Neurobiology, NfκB Pathway, and PKA/PKC Pathway research.

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NCBI Accession: [NM\\_001429](#)

Pathways: [p53 Signaling](#), [Notch Signaling](#), [Interferon-gamma Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Regulation of Muscle Cell Differentiation](#), [Regulation of Cell Size](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: P300 Protein is suitable for use in Western Blot. Expect a band approximately ~74 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 0.2 µg/µL

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Buffer: P300 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.

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Storage: -80 °C

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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.

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Expiry Date: 12 months