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Datasheet for 009-001-S27S

KAT3B (EP300) protein-GST fusion

Overview

Description:	KAT3B (EP300) recombinant protein-GST fusion protein - 009-001-S27S
Item No.:	009-001-S27S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	KAT3B (also known as EP300) encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein that functions as a histone acetyltransferase. KAT3B regulates transcription via chromatin remodeling and is important in the processes of cell proliferation and differentiation. KAT3B binding is a highly accurate process and can be used for identifying enhancers and their associated activities (1). KAT3B is also useful in the study of the role of tissue-specific enhancers in human biology and diseases on a genome wide scale. Defects in KAT3B gene are a cause of Rubinstein-Taybi syndrome that play a important role in epithelial cancer and act as a classic tumor suppressor gene (2). KAT3B 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, NfkB Pathway, and PKA/PKC Pathway research.
Synonyms:	KAT3B, EP300, p300, Histone acetyltransferase p300
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	EP300
Purity/Specificity:	Recombinant human KAT3B (EP300) (532-1153; contains the catalytic domain) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Relevant Links:	• NCBI - NM_001429

Application Details

Application Note:	KAT3B Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. KAT3B Protein is suitable for use in Western Blot. Expect a band approximately ~120kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL by UV absorbance at 280 nm
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

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