

Datasheet for ABIN6700186
MYST1 Protein (GST tag)



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Overview

Quantity:	20 µg
Target:	MYST1 (KAT8)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYST1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	KAT8 (MYST1) recombinant protein-GST fusion protein
Purification:	Recombinant human KAT8 (2-467, 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.
Purity:	>80%

Target Details

Target:	MYST1 (KAT8)
Alternative Name:	KAT8 (KAT8 Products)
Background:	Synonyms: KAT8, MYST1, hMOF, MOF, FLJ14040, Histone acetyltransferase KAT8, EC 2.3.1.48, Lysine acetyltransferase 8, MOZ, YBF2/SAS3, SAS2 and TIP60 protein 1, MYST-1, hMOF Background: KAT8 (MYST1) or MYST histone acetyltransferase 1 is a signaling protein that

Target Details

belongs to the MYST family of histone acetyl transferases (HATs) and was originally isolated as an HIV-1 TAT-interactive protein which play important roles in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. MYST1 have a chromodomain that involved in protein-protein interactions and targeting transcriptional regulators to chromatin (1). MYST histone acetyltransferase 1 is also involved in ATM function (2). KAT8 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.

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: KAT8 Protein is suitable for use in Western Blot. Expect a band approximately ~83 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: 0.05 µg/µL
Buffer: KAT8 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