Recombinant Human KAT7 , GST-tagged

Cat. No. KAT7-6956H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human KAT7 (MYST2) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	KAT7 or K (lysine) acetyltransferase 5 is a signaling protein that 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 non-histone proteins. KAT7 acts as a transcriptional inhibitor and inhibited AR-mediated transactivation of reporter constructs in CV-1 and PC-3 cells.KAT7 is part of a multisubunit complex that can acetylate histones H3 and H4.
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	~ 110 kDa
Purity	>85%
Applications	Western Blot

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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	KAT7 K(lysine) acetyltransferase 7 [Homo sapiens]
Official Symbol	KAT7
Synonyms	KAT7; K(lysine) acetyltransferase 7; MYST histone acetyltransferase 2 , MYST2; histone acetyltransferase KAT7; HBO1; HBOA; histone acetyltransferase binding to ORC1; MYST-2; lysine acetyltransferase 7; histone acetyltransferase MYST2; MYST histone acetyltransferase 2; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 2; MYST2;
Gene ID	11143
mRNA Refseq	NM_001199155
Protein Refseq	NP_001186084
MIM	609880
UniProt ID	O95251
Chromosome Location	17q21.32
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Regulation of Androgen receptor activity, organism-specific biosystem;

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Function	histone acetyltransferase activity; metal ion binding; protein binding; sequence-specific DNA binding transcription factor activity; transferase activity, transferring acyl groups other than amino-acyl groups; zinc ion binding;

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