Recombinant Human K(Lysine) Acetyltransferase 7, GST-tagged

Cat. No. KAT7-1601H **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
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.
Applications	Western Blot
Molecular Weight	110 kDa
Expression System	Sf9 insect cells using baculovirus.
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 25% glycerol.

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Purity	> 85 %
Concentration	0.1 ug/ul
Sequences	Full-length
Storage	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.
Pathways	Androgen Receptor Signaling Pathway; Regulation of Androgen receptor activity

GENE INFORMATION

Gene Name	KAT7 K(lysine) acetyltransferase 7 [Homo sapiens]
Official Symbol	KAT7
Synonyms	KAT7; HBO1; HBOA; MYST2; MYST histone acetyltransferase 2; Histone acetyltransferase binding to ORC1; MYST-2; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 2; OTTHUMP00000220716; OTTHUMP00000220718; histone acetyltransferase MYST2; EC2.3.1.48
Gene ID	11143
mRNA Refseq	NM_007067
Protein Refseq	NP_008998
MIM	609880

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UniProt ID	O95251
Chromosome Location	17q21.32
Function	histone acetyltransferase activity; metal ion binding; protein binding; sequence-specific DNA binding transcription factor activity; transferase activity, transferring acyl groups other than aminoacyl groups; zinc ion binding

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