

Recombinant Human KAT5 Protein, His-tagged

Cat. No. KAT5-021H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KAT5 protein (2-513) with a N-terminal His-tag was expressed in Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	2-513
Description	The protein encoded by this gene belongs to the MYST family of histone acetyl transferases (HATs) and was originally isolated as an HIV-1 TAT-interactive protein. HATs play important roles in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. This protein is a histone acetylase that has a role in DNA repair and apoptosis and is thought to play an important role in signal transduction. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	60.3 kDa
Purity	≥50% estimated by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 pmole of methylated peptide per minute at 37 centigrade in 100 mM HEPES, pH 7.5, 0.8% Triton X-100 containing 100 μM histone H4 peptide, and acetyl-CoA. Activity was determined using HAT Inhibitor.

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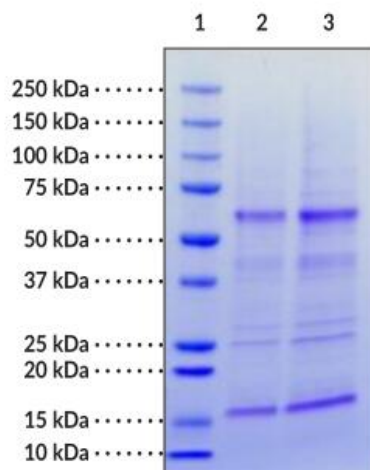
Stability	≥ 6 months
Storage	-80 centigrade
Storage Buffer	50 mM Tris-HCl, pH 7.5, with 300 mM sodium chloride and 10% glycerol
GENE INFORMATION	
Gene Name	KAT5 lysine acetyltransferase 5 [Homo sapiens (human)]
Official Symbol	KAT5
Synonyms	KAT5; lysine acetyltransferase 5; TIP; ESA1; PLIP; TIP60; cPLA2; HTATIP; ZC2HC5; HTATIP1; histone acetyltransferase KAT5; 60 kDa Tat-interactive protein; HIV-1 Tat interactive protein, 60kDa; K(lysine) acetyltransferase 5; K-acetyltransferase 5; Tat interacting protein, 60kDa; cPLA(2)-interacting protein; cPLA2 interacting protein; histone acetyltransferase HTATIP; EC 2.3.1.48
Gene ID	10524
mRNA Refseq	NM_001206833
Protein Refseq	NP_001193762
MIM	601409
UniProt ID	Q92993

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SDS-PAGE Analysis of KAT5.

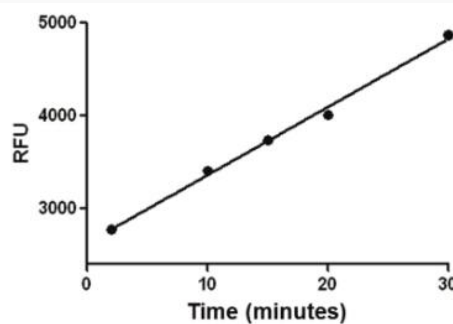


Lane 1: MW Markers

Lane 2: TIP60 (2 µg)

Lane 3: TIP60 (4 µg)

TIP60 acetylates the Histone H4 peptide



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