

## Active Recombinant Human KAT5, GST-tagged

**Cat. No.** KAT5-1350H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Full-length recombinant human KAT5 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	Full length
<b>Description</b>	KAT5 or K (lysine) acetyltransferase 5 is a signaling protein that belongs to the MYST family of histone acetyl transferases (HATs). KAT5 was originally isolated as an HIV-1 TAT-interactive protein that plays an important role in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. KAT5 protein is a histone acetylase that is involved in DNA repair and apoptosis and plays an important role in signal transduction. KAT5 acts as a cofactor of TAT that is involved in the regulation of HIV gene expression. KAT5 is also a co-regulator of transcription factors that either promote or suppress tumorigenesis.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Bio-activity</b>	30 nmol/min/mg
<b>Molecular Mass</b>	~88 kDa

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<b>Purity</b>	>90%
<b>Applications</b>	Acetyltransferase Assay
<b>Storage</b>	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.1 µg/µl
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">KAT5 K(lysine) acetyltransferase 5 [ Homo sapiens ]</a>
<b>Official Symbol</b>	KAT5
<b>Synonyms</b>	KAT5; K(lysine) acetyltransferase 5; HIV 1 Tat interactive protein, 60kDa , HTATIP; histone acetyltransferase KAT5; cPLA2; ESA1; HTATIP1; K acetyltransferase 5; PLIP; Tat interacting protein; 60kDa; TIP60; K-acetyltransferase 5; cPLA2 interacting protein; lysine acetyltransferase 5; cPLA(2)-interacting protein; 60 kDa Tat-interactive protein; Tat interacting protein, 60kDa; histone acetyltransferase HTATIP; HIV-1 Tat interactive protein, 60kDa; TIP; HTATIP;
<b>Gene ID</b>	<a href="#">10524</a>
<b>mRNA Refseq</b>	<a href="#">NM_001206833</a>
<b>Protein Refseq</b>	<a href="#">NP_001193762</a>
<b>MIM</b>	<a href="#">601409</a>
<b>UniProt ID</b>	<a href="#">Q92993</a>

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<b>Chromosome Location</b>	11q13
<b>Pathway</b>	ATF-2 transcription factor network, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; C-MYC pathway, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; IL-9 Signaling Pathway, organism-specific biosystem; Regulation of Androgen receptor activity, organism-specific biosystem;
<b>Function</b>	androgen receptor binding; contributes_to histone acetyltransferase activity; metal ion binding; protein binding; repressing transcription factor binding; transcription coactivator activity; transcription coactivator activity; transferase activity, transferring acyl groups other than amino-acyl groups;

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