

## Recombinant Human KAT5 293 Cell Lysate

**Cat. No.** KAT5-5089HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for K(lysine) acetyltransferase 5 (KAT5), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** [KAT5 K\(lysine\) acetyltransferase 5 \[ Homo sapiens \]](#)

**Official Symbol** [KAT5](#)

**Synonyms** [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](#);

**Gene ID** [10524](#)

**mRNA Refseq** [NM\\_006388](#)

**Protein Refseq** [NP\\_006379](#)

**MIM** [601409](#)

**UniProt ID** [Q92993](#)

**Chromosome Location** [11q13](#)

**Pathway** [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](#),

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conserved biosystem; IL-9 Signaling Pathway, organism-specific biosystem;  
Regulation of Androgen receptor activity, organism-specific biosystem;

**Function**

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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