

Recombinant Human KAT5 293 Cell Lysate

Cat. No. KAT5-5088HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for K(lysine) acetyltransferase 5 (KAT5), transcript variant 3 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.
Components	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).
Size	0.1 mg
Storage Instruction	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.
Applications	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_182709](#)

Protein Refseq [NP_874368](#)

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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