

Recombinant Human KAT5 293 Cell Lysate

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

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	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.
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 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

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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;

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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