

Active Recombinant Human KAT5, GST-tagged

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

SPECIFICATION

Product Overview	Full-length recombinant human KAT5 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	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.
Form	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.
Bio-activity	30 nmol/min/mg
Molecular Mass	~88 kDa

 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

Purity	>90%
Applications	Acetyltransferase Assay
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 µg/µl

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_001206833
Protein Refseq	NP_001193762
MIM	601409
UniProt ID	Q92993

 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

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, 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;

 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