Active Recombinant Human KAT2A, His-tagged

Cat. No. KAT2A-274H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GCN5 is fused to a His-tag.
Species	Human
Source	Sf21 Cells
Description	GCN5 functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Acetylation of histones gives a specific tag for epigenetic transcription activation. It has significant histone acetyltransferase activity with core histones, but not with nucleosome core particles. In case of HIV-1 infection, it is recruited by the viral protein Tat. It regulates Tats transactivating activity and may help inducing chromatin remodeling of proviral genes. GCN5 is a component of the Ada Two-A containing (ATAC) complex, a complex with histone acetyltransferase activity on histones H3 and H4.
Form	Liquid. In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride, 0.2% NP-40, 50mM imidazole and 10% glycerol.
Bio-activity	~200-300ng are required for standard HAT assay.
Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -80°C.
Storage	Short Term Storage: -20°C; Long Term Storage: -80°C. After opening, prepare

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

	aliquots and store at -80°C. Avoid freeze/thaw cycles.
Concentration	Lot dependent (0.2-0.5mg/ml)

GENE INFORMATION

Gene Name	KAT2A K(lysine) acetyltransferase 2A [Homo sapiens]
Official Symbol	KAT2A
Synonyms	KAT2A; K(lysine) acetyltransferase 2A; GCN5 general control of amino acid synthesis 5 like 2 (yeast) , GCN5L2; histone acetyltransferase KAT2A; GCN5; PCAF b; STAF97; hsGCN5; lysine acetyltransferase 2A; histone acetyltransferase GCN5; general control of amino acid synthesis protein 5-like 2; General control of amino acid synthesis, yeast, homolog-like 2; GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 2; hGCN5; GCN5L2; PCAF-b; MGC102791;
Gene ID	2648
mRNA Refseq	NM_021078
Protein Refseq	NP_066564
MIM	602301
UniProt ID	Q92830
Chromosome Location	17q12-q21
Pathway	C-MYC pathway, organism-specific biosystem; E2F transcription factor network,

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

	organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem;
Function	H3 histone acetyltransferase activity; chromatin binding; histone acetyltransferase activity; contributes_to histone acetyltransferase activity; histone acetyltransferase activity (H4-K12 specific); histone deacetylase binding; protein binding; transcription coactivator activity; transferase activity;

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