

## Recombinant Human KAT2A, His-tagged

**Cat. No.** KAT2A-29886TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human KAT2A / GCN5 with an N terminal His tag; 477 amino acids with the tag; predicted MWt: 51.1 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	427 amino acids
<b>Description</b>	KAT2A, or GCN5, is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. It also functions as a repressor of NF-kappa-B (see MIM 164011) by promoting ubiquitination of the NF-kappa-B subunit RELA (MIM 164014) in a HAT-independent manner (Mao et al.
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	51.100kDa inclusive of tags
<b>Tissue specificity</b>	Expressed in all tissues tested, with most abundant expression in ovary.
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.08% DTT, 40% Glycerol, 1.17% Sodium chloride, 0.03%

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	EDTA, 0.32% Tris HCl
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	<p>MGSSHHHHHSSGLVPRGSHMGGGSNSSLSLDSAGAEPMPGEKRTLPELNTLEDA          KRLRVMGDIPMELVNEVMLTITDPAAMLGPETSLLSANAARDETARLEERRGIIEFHVI          GNSLTPKANRRVLLWLVLQNVFSQLPRMPKEYIARLVFDPKHKTALIKDGRVIG          GICFRMFPTQGFTEIVFCAVTSNEQVKGYGTHLMNHLKEYHIKHNILYFLTYADEYAI          GYFKKQGFSKDIKVPKSRYLGYIKDYEGATLMECELNPRIPTYELSHIIKKQKEIIKKLIIE          RKQAQIRKVYPGLSCFKEGVRQIPVESVPGIRETGWKPLGKEKKGKELKDPDQLYTTL          KNLLAQIKSHPSAWPFMEPVKKSEAPDYEVIRFPIDLKTMTERLRSRYVTRKLFVA          DLQRVIANCREYNPPDSEYCRCSALEKFFYFKLKEGGLIDK</p>
<b>Sequence Similarities</b>	Belongs to the GCN5 family. Contains 1 bromo domain. Contains 1 N-acetyltransferase domain.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KAT2A K(lysine) acetyltransferase 2A [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">KAT2A</a>
<b>Synonyms</b>	KAT2A; K(lysine) acetyltransferase 2A; GCN5 general control of amino acid synthesis 5 like 2 (yeast) , GCN5L2; histone acetyltransferase KAT2A; GCN5; PCAF b;
<b>Gene ID</b>	<a href="#">2648</a>
<b>mRNA Refseq</b>	<a href="#">NM_021078</a>
<b>Protein Refseq</b>	<a href="#">NP_066564</a>

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<b>MIM</b>	602301
<b>Uniprot ID</b>	Q92830
<b>Chromosome Location</b>	17q12-q21
<b>Pathway</b>	C-MYC pathway, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; HTLV-I infection, organism-specific biosystem;
<b>Function</b>	H3 histone acetyltransferase activity; N-acetyltransferase activity; chromatin binding; histone acetyltransferase activity; contributes_to histone acetyltransferase activity;

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