

Recombinant Human KAT2A, His-tagged

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

SPECIFICATION

Product Overview	Recombinant full length Human KAT2A / GCN5 with an N terminal His tag; 477 amino acids with the tag; predicted MWt: 51.1 kDa.
Species	Human
Source	E.coli
ProteinLength	427 amino acids
Description	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.
Conjugation	HIS
Molecular Weight	51.100kDa inclusive of tags
Tissue specificity	Expressed in all tissues tested, with most abundant expression in ovary.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.08% DTT, 40% Glycerol, 1.17% Sodium chloride, 0.03%

 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

	EDTA, 0.32% Tris HCl
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMGGGSNSSLSLDSAGAEMPMPGEKRTL PENLTLEDA KRLRVMGDIPMELVNEVMLTITDPAAMLGPETSLLSANAARDETARLEERRGIIEFHVI GNSLTPKANRRVLLWLVLQNVFSHQLPRMPKEYIARLVFDPKHKTALIKDGRVIG GICFRMFPTQGFTEIVFCAVTSNEQVKGYGTHLMNHLKEYHIKHNILYFLTYADEYAI GYFKKQGFSGDIKVPKSRYLGYIKDYEGATLMECELNPRIPTYELSHIIKKQKEIIKKLIE RKQAQIRKVYPGLSCFKEGVRQIPVESVPGIRETGWKPLGKEKGKELKDPDQLYTTL KNLLAQIKSHPSAWPFMEPVKKSEAPDYEVIRFPIDLKTMTERLRSRYVTRKLFVA DLQRVIANCREYNPPDSEYCRCSALEKFFYFKLKEGGGLIDK
Sequence Similarities	Belongs to the GCN5 family. Contains 1 bromo domain. Contains 1 N-acetyltransferase domain.

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;
Gene ID	2648
mRNA Refseq	NM_021078
Protein Refseq	NP_066564

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MIM	602301
Uniprot ID	Q92830
Chromosome Location	17q12-q21
Pathway	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;
Function	H3 histone acetyltransferase activity; N-acetyltransferase activity; chromatin binding; histone acetyltransferase activity; contributes_to histone acetyltransferase activity;

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