

Recombinant Human KAT2A protein, GST-tagged

Cat. No. KAT2A-2132H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KAT2A(1 a.a. - 837 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-837 a.a.
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., 2009 [PubMed 19339690]).
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	118.47 kDa
AA Sequence	MAEPSQAPTPAPAAQPRPLQSPAPAPTPTPAPSPASAPIPTPTPAPAPAPAAAPAGS TGTGGPGVGSGGAGSGGD PARPGLSQQQRASQRKAQVRGLPRAKKLEKLGVFSA CKANETCKCNGWKNPKPPTAPRMDLQQPAANLSELCRSC EHPLADHVSHLENVSE DEINRLLGMVVDVENLFMSVHKEEDTDTKQVYFYLFKLLRKILQMTRPVVEGSLGS PP FEKPNIEQGVLFNVQYKFSLAPRERQTMFELSKMFLCLNYWKLETPAQFRQR SQAEDVATYKVNYTRWLCYCH VPQSCDSLPRYETTHVFGRSLLRSIFTVTRRQLLE KFRVEKDKLVPEKRTLILTHFPKFLSMLEEEIYGANSPIW ESGFTMPPSEGTLQVPR

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PASVSAAVVPSTPIFSPSMGGGSNSSLSDSAGAEMPGEKRTL PENLTLEDAKRLR
V MGDIPMELVNEVMLTITDPAAMLGPETSLLSANAARDETARLEERRGIIEFHVIGNS
LTPKANRRVLLWLVLQN VFSHQLPRMPKEYIARLVFDPKHKTALIKDGRVIGGICF
RMFPTQGFTEIVFCAVTSNEQVKGYGTHLMNHLKE YHIKHNL YFLTYADEYAIGYFK
KQGFSDKIKVPKSRYLGYIKDYEGATLMECELNPRIPYTELSHIIKKQKEII KKLIERKQ
AQIRKVYPGLSCFKEGVRQIPVESVPGIRETGWKPLGKEKGKELKDPDQLYTTLKNL
LAQIKSHPSA WPFMEPVKKSEAPDYEVIRFPIDLKTMTERLRSRYVTRKLFVADL
QRVIANCREYNPPDSEYCRCASALEKFF YFKLKEGGLIDK

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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; hGCN5; 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

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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, 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;