

Recombinant Human KAT2A, His-tagged

Cat. No. KAT2A-1017H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KAT2A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (411-837aa).
Species	Human
Source	Human
Description	KAT2A, also known as GCN5L2(General control of amino acid synthesis protein 5 like 2), belongs to the GCN5 family. It functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Acetylation of histones gives a specific tag for epigenetic transcription activation. GCN5L2 has been shown to interact with Ku70, TAF9, transcription initiation protein SPT3 homolog, TADA2L, Ku80 and DDB1.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 40% glycerol, 200mM NaCl, 1mM EDTA
Molecular Weight	51.1kDa (447aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.25mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGGGSNSSLS LDSAGAEPMP GEKRTLPENL TLEDAKRLRV MGDIPMELVN EVMLTITDPA AMLGPETSLL SANAARDETA RLEERRGIIE FHVIGNSLTP KANRRVLLWL VGLQNVFSHQ LPRMPKEYIA

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RLVFDPKHKT LALIKDGRVI GGICFRMFPT QGFTEIVFCA VTSNEQVKGY
 GTHLMNHLKE YHIKHNLILYF LTYADEYAIG YFKKQGFSKD IKVPKSRYLK
 YIKDYEGATL MECELNPRIP YTELSHIIKK QKEIIKKLIE RKQAQIRKVY
 PGLSCFKEGV RQIPVESVPG IRETGWKPLG KEKGKELKDP DQLYTTLKNL
 LAQIKSHPSA WPFMEPVKKS EAPDYEEVIR FPIDLKTMTE RLRSRYVTR
 KLFVADLQRV IANCREYNPP DSEYCRCASA LEKFFYFKLK EGGLIDK

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Notch signaling pathway; Gene Expression

GENE INFORMATION

Gene Name

KAT2A K(lysine) acetyltransferase 2A [Homo sapiens]

Official Symbol

KAT2A

Synonyms

KAT2A; K(lysine) acetyltransferase 2A; GCN5; hGCN5; GCN5L2; PCAF-b; MGC102791; histone acetyltransferase KAT2A; 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; GCN5 general control of amino-acid synthesis 5-like 2 (yeast); Lysine acetyltransferase 2A; Histone acetyltransferase GCN5; EC 2.3.1.48

Gene ID

2648

mRNA Refseq

NM_021078

Protein Refseq

NP_066564

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MIM	602301
UniProt ID	Q92830
Chromosome Location	17q21
Function	histone acetyltransferase activity; N-acetyltransferase activity; histone deacetylase binding; protein binding; transcription coactivator activity; transferase activity
PDB rendering based on 1f68.	