

KAT2A recombinant protein

Recombinant KAT2A (GCN5) protein

CATALOG # AAA59769	HOST Baculovirus
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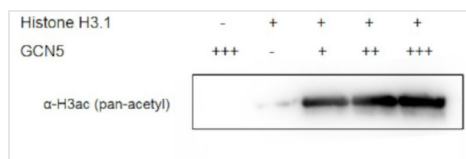
PRODUCT SYNONYMS

KAT2A; Recombinant KAT2A (GCN5) protein; Lysine Acetyltransferase 2A; Histone Acetyltransferase GCN5; GCN5L2; PCAF-b; KAT2A recombinant protein

PRODUCT SPECIFICATIONS

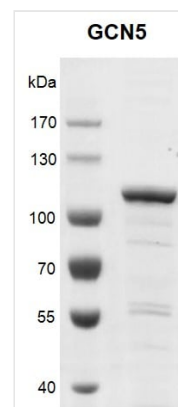
Host	Baculovirus
Form/Format	Recombinant GCN5 protein is supplied at a concentration of 0.75ug/ul in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	Recombinant KAT2A (GCN5) protein was expressed in a Baculovirus expression system as the full length protein (accession number NP_066564.2) with an N-terminal DYKDDDDK-Tag. The molecular weight of the protein is 95.6 kDa.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on Dry Ice. Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. This product is for research use only and is not for use in diagnostic procedures.

IMAGES



WB (Western Blot)

Recombinant KAT2A (GCN5) protein activity assay 0.5 ug Histone H3.1 (Cat. No. please inquire) was incubated with 0 ug (-), 0.1 ug (+), 0.2 ug (++) , 0.4 ug (+++) GCN5 catalytic domain in 30 ul reaction system for 2 hours at room temperature. Products were detected by Western blot. H3ac (pan-acetyl) antibody (Cat. No. please inquire) was used to recognize acetylated histone H3.



SDS-PAGE

Recombinant KAT2A (GCN5) protein, SDS-PAGE gel Recombinant KAT2A (GCN5) protein was run on a 10% SDS-PAGE gel and stained with Coomassie BlueMW: 95.6 kDa Purity: > 85%

ADDITIONAL INFORMATION

Related Product Information for KAT2A recombinant protein	Background: GCN5 (General Control Of Amino Acid Synthesis Protein 5, also known as KAT2A, Lysine Acetyltransferase 2A) is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. It also acts as a repressor of NF-kappa-B by promoting ubiquitination of the NF-kappa-B subunit RELA in a HAT-independent manner. KAT2A (GCN5) has significant histone acetyltransferase activity with core histones, but not with nucleosome core particles. It also acetylates non-histone proteins, such as CEBPB. KAT2A (GCN5) is a core component of the ATAC complex, which is a complex with histone acetyltransferase activity on histones H3 and H4.
Product Categories/Family for KAT2A recombinant protein	Recombinant Proteins; Histone Acetyltransferase (HAT)

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791535
NCBI GeneID	2648
NCBI Accession #	NP_066564.2
NCBI GenBank Nucleotide #	NM_021078.2
UniProt Accession #	Q92830; Q8N1A2; Q9UCW1
NCBI Official Full Name	histone acetyltransferase KAT2A
NCBI Official Synonym Full Names	K(lysine) acetyltransferase 2A
NCBI Official Symbol	KAT2A
NCBI Official Synonym Symbols	GCN5; hGCN5; GCN5L2; PCAF-b
NCBI Protein Information	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 o
UniProt Protein Name	Histone acetyltransferase KAT2A
UniProt Gene Name	KAT2A
UniProt Synonym Gene Names	GCN5; GCN5L2; HGCN5; HsGCN5
UniProt Entry Name	KAT2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/kat2a-recombinant-protein-baculovirus/59769>