

KAT5 recombinant protein

KAT5 (TIP60), Active

CATALOG # AAA72998	HOST Sf9 insect cells using baculovirus
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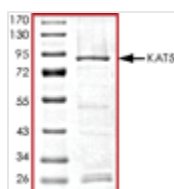
PRODUCT SYNONYMS

KAT5; KAT5 (TIP60); Active; KAT5 recombinant protein

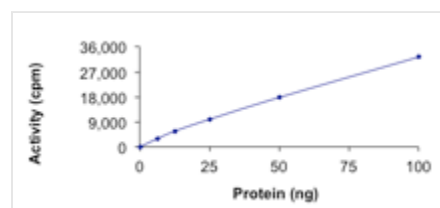
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	2248
Species	Human
Tag	GST tag
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	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for KAT5 recombinant protein	Description: Full-length recombinant human KAT5 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: KAT5 or K (lysine) acetyltransferase 5 is a signaling protein that belongs to the MYST family of histone acetyl transferases (HATs). KAT5 was originally isolated as an HIV-1 TAT-interactive protein that plays an important role in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins (1). KAT5 protein is a histone acetylase that is involved in DNA repair and apoptosis and plays an important role in signal transduction. KAT5 acts as a cofactor of TAT that is involved in the regulation of HIV gene expression. KAT5 is also a co-regulator of transcription factors that either promote or suppress tumorigenesis (2).
Product Categories/Family for KAT5 recombinant protein	Enzymes; Active Acetyltransferases

References	1. Kamine, J. et.al: Identification of a cellular protein that specifically interacts with the essential cysteine region of the HIV-1 Tat transcriber. Virology 216: 357-366, 1996. 2. Gorrini, C. et.al: Tip60 is a haplo-insufficient tumour suppressor required for an oncogene-induced DNA damage response. Nature 448: 1063-1067, 2007.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332205925
NCBI GeneID	10524
NCBI Accession #	NM_006388.3
NCBI GenBank Nucleotide #	NM_006388
UniProt Accession #	Q92993; O95624; Q13430; Q17RW5; Q561W3; Q6GSE8; Q9BWK7; B4E3C7; C9JL99
Molecular Weight	~88 kDa
NCBI Official Full Name	Homo sapiens lysine acetyltransferase 5 (KAT5), transcript variant 2, mRNA
NCBI Official Synonym Full Names	lysine acetyltransferase 5
NCBI Official Symbol	KAT5
NCBI Official Synonym Symbols	TIP; ESA1; PLIP; TIP60; cPLA2; HTATIP; ZC2HC5; HTATIP1
NCBI Protein Information	histone acetyltransferase KAT5
UniProt Protein Name	Histone acetyltransferase KAT5
UniProt Gene Name	KAT5
UniProt Synonym Gene Names	HTATIP; TIP60; Tip60; HIV-1 Tat interactive protein

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/kat5-recombinant-protein-sf9-insect-cells-using-baculovirus/72998>