

Histone acetyltransferase KAT5 Recombinant Protein | KAT5 recombinant protein

Recombinant Human Histone acetyltransferase KAT5

CATALOG # AAA116139	HOST E Coli
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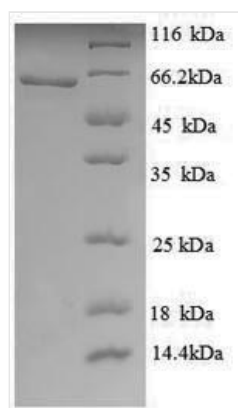
PRODUCT SYNONYMS

Histone acetyltransferase KAT5; Recombinant Human Histone acetyltransferase KAT5; 60 kDa Tat-interactive protein; Tip60; Histone acetyltransferase HTATIP; HIV-1 Tat interactive protein; Lysine acetyltransferase 5cPLA(2)-interacting protein; KAT5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	3-513. Partial
Sequence	EVGEIIEGCR LPVLRNQN EDEWPLAEIL SVKDISGRKL FYVHYIDFNK RLDEWVTHER LDLKKIQFPK KEAKTPTKNG LPGSRPGSPE REVPAASAQAS GKTLPIPVQI TLRFNLPKER EAIPGGEPDQ PLSSSSCLQP NHRSTKRKVE VVSPATPVPS ETAPASVFPQ NGAARRAVAA QPGRKRKSNL LGTDEDSQDS SDGIPSAPRM TGSLVSDRSH DDIIVTRMKNI ECIELGRHRL KPWFYSPYPQ ELTTLPLVLYL CEFCLKYGRS LKCLQRHLTK CDLRHPPGNE IYRKGTSIFF EIDGRKNKSY SQNLCLLAKC FLDHKTLYYD TDPFLFYVMT EYDCKGFHIV GYFSKEKEST EDYNVACILT LPPYQRRGYG KLLIEFSYEL SKVEGKTGTP EKPLSDLGLL SYRSYWSQTI LEILMGLKSE SGERPQITIN EISEITSIKK EDVISTLQYL NLINYYKGQY ILTLEDIVD GHERAMLKRL LRIDSKCLHF TPKDWSKRGK W
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for KAT5 recombinant protein	Catalytic subunit of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome-DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. Directly acetylates and activates ATM. Component of a SWR1-like complex that specifically mediates the roval of histone H2A. Z/H2AFZ from the nucleosome. In case of HIV-1 infection, interaction with the viral Tat protein leads to KAT5 polyubiquitination and targets it to degradation. Relieves NR1D2-mediated inhibition of APOC3 expression by acetylating NR1D2. Promotes FOXP3 acetylation and positively regulates its transcriptional repressor activity
Product Categories/Family for KAT5 recombinant protein	Immunology
References	Identification of a cellular protein that specifically interacts with the essential cysteine region of the HIV-1 Tat transactivator.Kamine J., Elangovan B., Subramanian T., Coleman D., Chinnadurai G.Virology 216:357-366(1996) PLIP, a novel splice variant of Tip60, interacts with group IV cytosolic phospholipase A(2) , induces apoptosis, and potentiates prostaglandin production.Sheridan A.M., Force T., Yoon H.J., O'Leary E., Choukroun G., Taheri M.R., Bonventre J.V.Mol. Cell. Biol. 21:4470-4481(2001) Identification of a larger form of the histone acetyl transferase Tip60.Legube G., Trouche D.Gene 310:161-168(2003) NIEHS SNPs programComplete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) Human chromosome 11 DNA sequence and analysis including novel gene identification.Taylor T.D., Noguchi H., Totoki Y., Toyoda A., Kuroki Y., Dewar K., Lloyd C., Itoh T., Takeda T., Kim D.-W., She X., Barlow K.F., Bloom T., Bruford E., Chang J.L., Cuomo C.A., Eichler E., FitzGerald M.G., Jaffe D.B., LaButti K., Nicol R., Park H.-S., Seaman C., Sougnez C., Yang X., Zimmer A.R., Zody M.C., Birren B.W., Nusbaum C., Fujiyama A., Hattori M., Rogers J., Lander E.S., Sakaki Y.Nature 440:497-500(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	332205931
NCBI GeneID	10524
NCBI Accession #	NP_001193762.1
NCBI GenBank Nucleotide #	NM_001206833.1
UniProt Accession #	Q92993; O95624; Q13430; Q17RW5; Q561W3; Q6GSE8; Q9BWK7; B4E3C7; C9JL99
Molecular Weight	62.4 kDa
NCBI Official Full Name	histone acetyltransferase KAT5 isoform 4
NCBI Official Synonym Full Names	K(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
UniProt Entry Name	KAT5_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/kat5-recombinant-protein-e-coli/116139>