

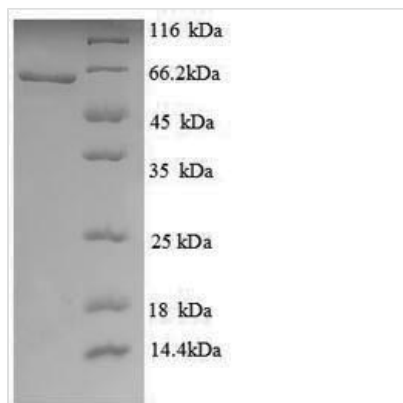


Recombinant Human Histone acetyltransferase KAT5 (KAT5), partial

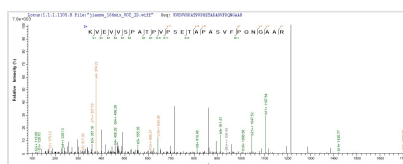
Product Code	CSB-EP835717HU1
Relevance	Catalytic subunit of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome-DNA interactions and promote 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 removal 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
Abbreviation	Recombinant Human KAT5 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q92993
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	EVGEIIEGCRLPVLRRNQDNEDEWPLAEILSVKDISGRKLFYVHYIDFNKRLDE WVTHEERLDLKKIQFPKKEAKTPTKNGPLGSRPGSPEREVPASAQASGKTLPIIP VQITLRFNLPKEREAIIPGGEPDQPLSSSSCLQPNIHRSTKRKVEVVSPATPVPS ETAPASVFPQNGAARRAVAAQPGRKRKSNCLGTDEDSQDSSDGIPAPRMT GSLVSDRSHDDIVTRMKNICIELGRHRLKPWYFSPYPQELTTLPLVLYLCEFCL KYGRSLKCLQRHLTKCDLRHPPGNEIYRKGITISFFEIDGRKNKSYSQNLCLLAK CFLDHKTLYYDTPFLFYVMTEYDCKGFHIVGYFSKEKESTEDYNVACILTLPP YQRRGYGKLLIEFSYELSKVEGKTGTPEKPLSDLGLLSYRSYWSQTILEILMGL KSESGERPQITINEISEITSIKKEDVISTLQYLNLYYKQYILTLEDIVDGHHERA MLKRLLRIDSKCLHFTPKDWSKRGKW
Research Area	Immunology
Source	E.coli
Target Names	KAT5



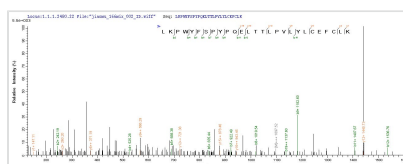
Expression Region	3-513aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	65.3 kDa
Protein Length	Partial

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-RP178494h could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) KAT5.



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Shelf Life

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