



Recombinant Human Histone acetyltransferase KAT5 (KAT5)

Product Code	CSB-EP835717HU
Abbreviation	KAT5
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 Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MAEVGEIIEG CRLPVLRRNQ DNEDEWPLAE ILSVKDISGR KLFYVHYIDF NKRLDEWVTH ERLDLKKIQF PKKEAKTPTK NGLPGSRPGS PEREVPASAQ ASGKTLPIPV QITLRFNLPK EREAIPGGEP DQPLSSSSCL QPNHRSTKRK VEVVSPATPV PSETAPASVF PQNGAARRAV AAQPGRKRKS NCLGTDEDSQ DSSDGIPSAP RMTGSLVSDR SHDDIVTRMK NIECIELGRH RLKPWYFSPY PQELTTLPVL YLCEFCLKYG RSLKCLQRHL TKCDLRHPPG NEIYRKGTTIS FFEIDGRKNK SYSQNLCLLA KCFLDHKTLY YDTPFLFYV MTEYDCKGFH IVGYFSKEKE STEDYNVACI LTLPPYQRRG YGKLLIEFSY ELSKVEGKTG TPEKPLSDLG LLSYRSYWSQ TILEILMGLK SESGERPQIT INEISEITSI KKEDVISTLQ YLNLINYYKG QYILTLSEDI VDGHERAMLK RLLRIDSKCL HFTPDKDWSKR GKW
Source	E.coli
Target Names	KAT5
Protein Names	Recommended name: Histone acetyltransferase KAT5 EC= 2.3.1.48 Alternative name(s): 60 kDa Tat-interactive protein Short name= Tip60 Histone acetyltransferase HTATIP Short name= HIV-1 Tat interactive protein Lysine acet
Expression Region	1-513
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein belongs to the MYST family of histone acetyl transferases (HATs) and was originally isolated as an HIV-1 TAT-interactive protein. HATs play important roles in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. This protein is a histone acetylase that has a role in DNA repair and apoptosis and is thought to play an important role in signal transduction. Alternative splicing of this gene



results in multiple transcript variants.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.