

Recombinant Human KAT5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KAT5-1347H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KAT5 MS Standard C13 and N15-labeled recombinant protein (NP_874368) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene 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.
Molecular Mass	53.1 kDa
AA Sequence	MAEVGEIIEGCRLPVLRRNQDNEDEWPLAEILSVKDISGRKLFYVHYIDFNKRLDEWV THERLDLKKIQFPKKEAKTPTKNGLPGSRPGSPEREVKRKVEVVS PATPVPSETAPA SVFPQNGAARRAVAAQPGRKRKSNCLGTDEDSQDSSDGIPSAPRMTGSLVSDRSH DDIVTRMKNIECIELGRHRLKPWYFSPYPQELTTLPVLYLCEFCCLKYGRSLKCLQRHL TKCDLRHPPGNEIYRKGTISFFEIDGRKNKSYSQNLCLLAKCFLDHKTLYYDTPFLF YVMTEYDCKGFHIVGYFSKEKESTEDYNVACILTPPYQRRGYGKLLIEFSYELSKVE

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GKTGTPEKPLSDLGLLSYRSYWSQTILEILMGLKSESGERPQITINEISEITSIKKEDVIS
TLQYLNILINYYKGQYILTSEDIVDGHARAMLKRLLRIDSKCLHFTPDKDWSKRGKWTR
TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name KAT5 lysine acetyltransferase 5 [Homo sapiens (human)]

Official Symbol KAT5

Synonyms KAT5; K(lysine) acetyltransferase 5; HIV 1 Tat interactive protein, 60kDa, HTATIP; histone acetyltransferase KAT5; cPLA2; ESA1; HTATIP1; K acetyltransferase 5; PLIP; Tat interacting protein; 60kDa; TIP60; K-acetyltransferase 5; cPLA2 interacting protein; lysine acetyltransferase 5; cPLA(2)-interacting protein; 60 kDa Tat-interactive protein; Tat interacting protein, 60kDa; histone acetyltransferase HTATIP; HIV-1 Tat interactive protein, 60kDa; TIP; HTATIP;

Gene ID 10524

mRNA Refseq NM_182709

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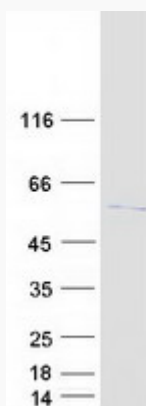
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Protein Refseq NP_874368

MIM 601409

UniProt ID Q92993

SDS-PAGE



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