

Recombinant Human KAT5 Protein, His-tagged

Cat. No. KAT5-2354H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KAT5 Protein (Tyr294-Trp513) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Tyr294-Trp513
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.5 kDa Accurate Molecular Mass: 30 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	KAT5 K(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_001206833

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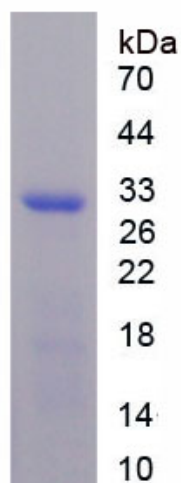
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Protein Refseq NP_001193762

MIM 601409

UniProt ID Q92993



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