

Recombinant Mouse Kat2b Protein, Myc/DDK-tagged

Cat. No. Kat2b-3644M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length K(lysine) acetyltransferase 2B (Kat2b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Has significant histone acetyltransferase activity with core histones (H3 and H4), and also with nucleosome core particles. Also acetylates non-histone proteins, such as ACLY, PLK4, RRP9/U3-55K and TBX5. Acts as a circadian transcriptional coactivator which enhances the activity of the circadian transcriptional activators: NPAS2-ARNTL/BMAL1 and CLOCK-ARNTL/BMAL1 heterodimers. Involved in heart and limb development by mediating acetylation of TBX5, acetylation regulating nucleocytoplasmic shuttling of TBX5. Acts as a negative regulator of centrosome amplification by mediating acetylation of PLK4. Acetylates RRP9/U3-55K, a core subunit of the U3 snoRNP complex, impairing pre-rRNA processing. Also acetylates spermidine.
Molecular Mass	92.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Kat2b K(lysine) acetyltransferase 2B [Mus musculus (house mouse)]
Official Symbol	Kat2b
Synonyms	KAT2B; K(lysine) acetyltransferase 2B; histone acetyltransferase KAT2B; histone acetylase PCAF; p300/CBP-associated factor; lysine acetyltransferase 2B; histone acetyltransferase PCAF; Pcaf; p/CAF; AI461839; AW536563; A930006P13Rik
Gene ID	18519
mRNA Refseq	NM_020005
Protein Refseq	NP_064389
UniProt ID	Q9JHD1

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