

## Product datasheet for **TP510784**

### **Kat2b (NM\_020005) Mouse Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse K(lysine) acetyltransferase 2B (Kat2b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210784 representing NM_020005 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAEAGGAGSPALPPAPPHGSPRTLATAAGSSASCGPATAVAAAAGTAEGPGGGGSARIAVKAQLRSAPRA  
 KKLEKLGVYSACKAEESCKNGWKNPNPSPTPPRGDLQQIIVSLTESCRSCSHALAAHVSHLENVSEEM  
 DRLLGIVLDVEYLFVCVHKEEDADTKQVYFYLFKLLRKSILQRGKPVVEGSLEKKPPFEKPSIEQGVNMF  
 VQYKFSHLPSKERQTTIELAKMFLNRINYWHLEAPSQRRLRSPNDDISGYKENYTRWLCYCNPVQFCDSL  
 PRYETTKVFGRTLRSVFTIMRRQLLEQARQEKDKLPLEKRTLILTHFPKFLSMLEEEVYSQNSPIWDQD  
 FLSASSRTPSLGIQTVISPPVTGTALFSSNSTSHEQINGGRTSPGCRGSSGLEANPGEKRKMNNSHAPEE  
 AKRSRVMGDIPVELINEVMSTITDPAGMLGPETNFLSAHSARDEAARLEERRGVIEFHVGNLSLNQKPNK  
 KILMWLVGLQNVFSQLPRMPKEYITRLVFDPKHKTLALIKDGRVIGGICFRMFPSQGFTEIVCAVTSN  
 EQVKGYGTHLMNHLKEYHIKHEILNFLTAYADEYAIGYFKKQGFSEIKIPKTKYVGYIKDYEGATLMGCE  
 LNPQIPYTEFSVIKKQKEIHKLIERKQAQIRKVPGLSCFKDGVQRQPIESIPGIRETGWKPSGKEKS  
 KEPKDPEQLYSTLKNILQVKNHPNAWPFMEPVKRTTEAPGYEYVIRFPMDLKTMSERLRNRYVSKKLFM  
 ADLQRVFTNCKEYNPPESEYYKASILEKFFFSKIKEAGLIDK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	92.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_064389</a>
<b>Locus ID:</b>	18519
<b>UniProt ID:</b>	<a href="#">Q9JHD1</a> , <a href="#">B2RR30</a>
<b>RefSeq Size:</b>	4309
<b>Cytogenetics:</b>	17 27.86 cM
<b>RefSeq ORF:</b>	2439
<b>Synonyms:</b>	A930006P13Rik; AI461839; AW536563; p/CAF; Pcaf
<b>Summary:</b>	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 and TBX5. Inhibits cell-cycle progression and counteracts the mitogenic activity of the adenoviral oncoprotein E1A. 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. Also acetylates spermidine (By similarity).[UniProtKB/Swiss-Prot Function]