

## Product datasheet for RC235344

### KAT6B (NM\_001256468) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KAT6B (NM_001256468) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KAT6B
Synonyms:	GTPTS; MORF; MOZ2; MYST4; qkf; querkopf; ZC2HC6B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235344 representing NM_001256468 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTAAAACCTTGCAAACCCACTTTATACAGAGTGGATTCTTGAAGCTATACAGAAAATAAAAAAGCAAA  
AGCAAAGGCCCTCTGAAGAGAGAATCTGCCATGCGGTCACTACTCCCATGGGTTGGATAAGAAGACAGT  
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CAAGAAAGTGCAGATGTAATGTGATTGGAAACAAGGATGTCGTTACTGAAGAGGATTTGGATGTTTTTA  
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC235344 representing NM\_001256468  
 Red=Cloning site Green=Tags(s)

MVKLANPLYTEWILEAIQKIKKQKQRPSEERICHAVSTSHGLDKKTVSEQLELSVQDGSVLKVTNKGLAS  
 YKDPDNPGRFSSVKPGTFPKSAKSGRSGCNDLRNVDWNKLLRRAIEGLEEPNGSSLKNIKELYRSQSDLT  
 STTNPAFQQRLRLGAKRAVNNRLLKDGPPYRVNYGSLDGGKAPQYPSAFPSSLPVSLPHEKQDQPR  
 DPPIPCSFCLGTKE SNREKKPEELLSCADCGSSGHP SCLKFCPELTTNVKALRWQCI ECKTCSACRVQGR  
 NADNMLFCDCDRGFHMECCDPPLSRMPKGMWICQVCRPKKKGRKLLHEKAAQIKRRYAKPIGRPKNKLK  
 QRLLSVTSDEGSMNAFTGRGSPGRGQTKVCTTPSSGHAASGKDS SRLAVTDPTRPGATTKITTTSTYI  
 SASTLKVNNKTKGLIDGLTKFFTPSPDGRRSRGEIIDFSKHYRPRKKVSKQKQSC TSHVLATDTEIKINIK  
 QESADVNVIGNKDVVTEEDLDVFKQAQELSWEKIECESGVEDCGRYPSVIEFGKYEIQTWYSSPYQEYA  
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 EGQAGSPEKPLSDLGRLSYLAYWKS VILEYL YHHHERHISIKAI SRATGMCPHDIATTLQHLHMIDKRDG  
 RFVIRREKLILSHMEKLTCSRANELDPDSL RWTPI LISNAVSEEEEREAEKEAERLMEQASCWEKEEQ  
 EILSTRANSRQSPAKVQSKNKYLHSPESRPVTGERGQ LLELSKESSEEEEEEEEEEEEEEEEEEEEE  
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 DEERPMPQLEPTCEIEVEEDGRKPVLKAFQHQP GKRRQTEEEEGKDNHCFKNADPCRNMNDSSNLKE  
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 GGNVEKDPDGAKSQEKEEPEISTEKEDSARLDDHE EEEEEDEEPSHNEHDADDEDDSHMESAEVEKEE  
 LPRESFKEVLENQETFLDLNVQPGHSNPEVLMDCGV DLTASCNSEPKELAGDPEAVPESDEEPPPGEQAQ  
 KQDQKNSKEVDTEFKENPATMEIDSETVQAVQSL TQESSEQDDTFQDCAETQEACRSLQNYTRADQSPQ  
 IATTLDDCQQSDHSSPVSSVHSHPGQSVRSVNSP SVPALENSYAQISPDQSAISVPSLQNMETSPMMDVP  
 SVSDHSQQVVDSGFSDLGSIESTTENYENPSSYD STMGGSICGNGSSQNSCSYSNLTSSSLTQSSCAVTQ  
 QMSNISGSCSMLQQTISI SSPPTCSVKSPQGC VVERPPSSSQLAQCSMAANFTPPMQLAEIPETSNANIG  
 LYERMGQSDFGAGHYPPSATFSLAKLQQLTNTLIDHSLPYSHSAAVTSYANSASLSTPLSNTGLVQLSQ  
 SPHSVPGGPQAQATMTPPPNLTPPPMNLPPPLLQRNMAASNIGISHSQRLQTIASKGHI SMRTKSASLS  
 PAAATHQSQIYGRSQTVAMQGPARTLTMQRGMNMSV NLM PAPA YNVNSVNMNMTL NAMNGYSMSQPMMN  
 SGYHSNHGYMNQTPQYPMQMGMGTQPYAQQPMQTPPHGNM MYTAPGHGMYMNTGMSKQSLNGSYMR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul



**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001256468.1](#), [NP\\_001243397.1](#)

**RefSeq Size:** 7960 bp

**RefSeq ORF:** 5673 bp

**Locus ID:** 23522

**UniProt ID:** [Q8WYB5](#)

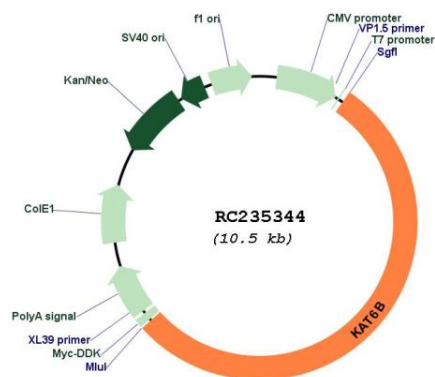
**Cytogenetics:** 10q22.2

**Protein Families:** Druggable Genome

**MW:** 212 kDa

**Gene Summary:** The protein encoded by this gene is a histone acetyltransferase and component of the MOZ/MORF protein complex. In addition to its acetyltransferase activity, the encoded protein has transcriptional activation activity in its N-terminal end and transcriptional repression activity in its C-terminal end. This protein is necessary for RUNX2-dependent transcriptional activation and could be involved in brain development. Mutations have been found in patients with genitopatellar syndrome. A translocation of this gene and the CREBBP gene results in acute myeloid leukemias. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]

### Product images:



Circular map for RC235344