

Product datasheet for **MR231873**

Kat6b (NM_001205241) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kat6b (NM_001205241) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kat6b
Synonyms: AI507552; B130044K16Rik; mKIAA0383; Morf; MYST-4; Myst4; qkf; querkopf
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR231873 representing NM_001205241
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTAAACTTGCAAACCCACTTTACACAGAGTGGATTCTTGAAGCAGTGCAGAAAATCAAGAAGCAGA
AGCAGCGGCCCTCAGAAGAGAGGATCTGCCATGCGGTGAGCAGTCCCATGGGTTGGACAAGAAAACAGT
CTCGGAACAGCTGGAACCTAGTGTTCAGGATGGCTCCGTTCTCAAAGTCACCAACAAAGGCTTGCTTCA
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AATGCAGACCCACCCACGCTAACATGATGTACACGGCCCCGGACACCACGGCTACATGAACACAGGC
ATGTCCAAACAGTCTCTCAATGGGTCCTACATGAGAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>MR231873 representing NM_001205241
Red=Cloning site Green=Tags(s)

MVKLANPLYTEWILEAVQKIKKQKQRPSEERICHAVSTSHGLDKKTVSEQLELSVQDGSVLKVTNKGLAS
YKDPDNPGRFSSVKPGTFPKPTKSGKPPCNDLRNVDWNKLLKRAIEGLEEPPNGSSLKNIKLYLRSQSDL
TGTTNHPAFQQLRLGAKRAVNNGRLLKEGPQYRVNSGSSDGKGAPOYPSAFPSSLPVSLLPHEKDQPR
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KNADNMLFCDSCDRGFHM ECDPPLSRMPKGMWICQVCRPKKKGRKLLHEKAAQIKRRYAKPIGRPKNKL
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GVEDCGRYPSVIEFGKYEIQTWYSSYPQYARLPKLYLCEFC LKYMKSKNILLRH SKKCCGWFHPPANEI
YRRKDLVSFEVDGNMSKIYCNLCLLAKLFLDHKTLYYDVEPFLFYVLTKNDEKGCHLVGYFSKEKLCQQ
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PESDAEPPEEQTKQDQKNSDGVDAELEEGPAAVEIDSETAQAVQSLTQENREHDDTFPDCAETQEACR
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SSNL TQNSCAVTQQMSNI SGSCSMLQQT SISPPTCSVKSPQGC VVERPPSSSQQLAQCSMAANFTPPMQ
LADIPETSNANI GLYERMGQDFGAGHYPOPSATFSLAKLQQLTNTLIDHSLPYSHSAAVTSYANSASLS
TPLSNTGLVQLSQSPHSVPGGPQAQATMTPPPNTPPPMLPPPLLQRNMAASNIGISHSQR LQTQIASK
GHVSMRTKAASLSPAAATHQSQIYGRSQT VAMQGPARTLTMQRGMNMSVNLMPAPAYNVNSVNMNMTLN
AMNGYSMSQPMMSGYHSNHGYMNQTPQYPMQMGMGMSQPYAQPMQTPPHANMMYTAPGHHGYMNTG
MSKQSLNGSYMRR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001205241
ORF Size:	5289 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">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_001205241.1 , NP_001192170.1
RefSeq Size:	7223 bp
RefSeq ORF:	5292 bp
Locus ID:	54169
Cytogenetics:	14 A3
MW:	197.3 kDa
Gene Summary:	Histone acetyltransferase which may be involved in both positive and negative regulation of transcription. Required for RUNX2-dependent transcriptional activation. Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity (By similarity). Involved in cerebral cortex development.[UniProtKB/Swiss-Prot Function]