

## Product datasheet for MC224917

### Kat6b (NM\_017479) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kat6b (NM_017479) Mouse Untagged Clone
Tag:	Tag Free
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
Fully Sequenced ORF:	>MC224917 representing NM_017479 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGTAAACTTGCAAACCCACTTTACACAGAGTGGATTCTTGAAGCAGTGCAGAAAATCAAGAAGCAGA  
AGCAGCGGCCCTCAGAAGAGAGGATCTGCCATGCGGTGAGCAGTCCCATGGGTTGGACAAGAAAACAGT  
CTCGGAACAGCTGGAACCTAGTGTTCAGGATGGCTCCGTTCTCAAAGTCCCAACAAAGGCCCTTGCTTCA  
TATAAGGACCCAGACAATCCTGGGCGTTTTTCATCGGTTAAACCGGGCAGTTCCTCCCAAGCAACCAAGG  
GGTCCAAAGGACCGCCGTGTAATGATCTACGCAATGTGGATTGGAATAAACTTTAAAGAGAGCAATCGA  
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GGAGGTTACTGAAGGAAGGACCACAGTACAGGGTCAATAGTGGGAGCTCAGATGGCAAAGGGGCGCCCA  
GTACCCAGTGTCTTCCGTCCTCACTCCCGCCGTCAGCCTTCTACCCATGAGAAAGACCAGCCCGT  
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AACTCCTGTCTTGTGCAGATTGTGGCAGTGTGGACACCCATCCTGTCTGAAGTTTGTCTGAGTTAAC  
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GCTTGTTAGCCAAGCTCTTCTGGACCACAAAACATTGTATTATGATGTTGAGCCATTCCTTTTTATGT  
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TGACCATGAAGAGGACGAGGATGAGGAGGAAGAGCCATCTCACAATGAGGACCATGATGCAGATGATGAA  
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TAGAGGGCCAGGAGGCTTTTTAGACCTGAGCATTAGCCGAGTCACTCGAACCTGAAGTCTTGATGAA  
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CAGACCACAGTAGCCAGTTTCTATCTGTCCATTCCTCCTGGCCAGTCAAGTTCGTTCTGTCAATAGCCC  
CAGTGTCCCTGCCCTAGAGAATAGCTATGCCCAAATCAGCCCCGATCAGACTGCCATCACAGTGCCACCT  
CTGCAGAACATGGAGACCAGTCCAATGATGGACGTCCTGTCAGTGTGATCACTCACAGCAGGTCGTTG  
ACAGCGGATTCAAGTACCTGGGAGTATTGAGAGCACAACAGAGAAGTATGAGAACCAGCAGCTATGA  
CTCAACCATGGGAGGCAGTATCTGTGAAAACGGCTCTTCCAGAACAGCTGCTCTACAGCAGTCTCACC  
TCTAGCAATCTGACACAGAACAGCTGTGCTGTACCCAGCAGATGTCCAACATCAGTGGGAGCTGCAGCA  
TGCTGCAGCAGACCAGCATCAGCTCCCCTCCAACCTGCAGCGTCAAGTCTCCCAAGGCTGTGTGGTGGA  
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CTGGCTGACATCCCCGAGACCAGCAATGCCAACATTGGCTTATATGAGCGAATGGGTCAAAGTATTTTG  
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TATTGATCATTGCTTACAGCCATTCGCTGCTGTGACCTCCTATGCAAACAGTGCCTCTTTGTCC  
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GCGGAACATGGCTGCATCAAATATTGGCATCTCCACAGCCAAAGACTGCAAACCTCAGATTGCCAGCAAG  
GGCCACGCTCCATGAGAACCAAGGCGGATCTGTGACACAGCTGCCGCCACCCATCAGTCAAAATCT  
ATGGGCGTTCCAGACTGTAGCCATGCAGGTCCTGCACGGACTTTAACGATGCAAAGAGGCATGAACAT  
GAGTGTGAACTTGTGAGCAGCGCCAGCCTACAATGTCAACTCGGTGAACATGAACATGAACACTCTGAAT  
GCCATGAATGGGTATAGCATGTCCAGCCGATGATGAACAGTGGTTACCACAGCAACCACGGCTATATGA  
ATCAAACCCCCAGTACCTATGCAGATGCAGATGGGCATGATGGGAAGCCAGCCATACGCCAGCAGCC

AATGCAGACCCCACCCACGCTAACATGATGTACACGGCCCCGGACACCACGGCTACATGAACACAGGC  
ATGTCCAAACAGTCTCTCAATGGGTCCTACATGAGAAGGTAG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_017479

**Insert Size:** 5292 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:**

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\\_017479.3](#), [NP\\_059507.2](#)

**RefSeq Size:** 7347 bp

**RefSeq ORF:** 5292 bp

**Locus ID:** 54169

**UniProt ID:** [Q8BRB7](#)

**Cytogenetics:** 14 A3

**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]  
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.