

Product datasheet for **MC229662**

Kat6b (NM_001205241) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kat6b (NM_001205241) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kat6b
Synonyms:	A1507552; B130044K16Rik; mKIAA0383; Morf; MYST-4; Myst4; qkf; querkopf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229662 representing NM_001205241 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTAAACTTGCAAACCCACTTTACACAGAGTGGATTCTTGAAGCAGTGCAGAAAATCAAGAAGCAGA
AGCAGCGGCCCTCAGAAGAGAGGATCTGCCATGCGGTGAGCAGTCCCATGGGTTGGACAAGAAAACAGT
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CTGCAGAACATGGAGACCAGTCCAATGATGGACGTCCTGTCAGTGCAGTCACTCACAGCAGGTCGTTG
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CTCAACCATGGGAGGCAGTATCTGTGGAACGGCTCTTCCAGAAGCAGCTCTCTACAGCAGTCTCACC
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TGCTGCAGCAGACCAGCATCAGCTCCCCTCCAACCTGCAGCGTCAAGTCTCCCAAGGCTGTGTGGTGA
GAGGCTCCCAGTAGCAGCCAGCAGCTGGCTCAGTGCAGCATGGCCGCAATTTACCCACCCATGCAG
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TATTGATCATTGCTTACAGCCATTCGCTGCTGTGACCTCTATGCAAACAGTGCCTCTTTGTCC
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CACAAGCTACCATGACCCACCCCTAACCTGACTCCTCTCCATGAATCTGCCACCACCTCTCCTGCA
GCGGAACATGGCTGCATCAAATATTGGCATCTCCACAGCCAAAGACTGCAAACCTCAGATTGCCAGCAAG
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GAGTGTGAACTTGTAGCCAGCGCCAGCCTACAATGTCAACTCGGTGAACATGAACATGAACACTCTGAAT
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ATCAAACCCCCAGTACCCTATGCAGATGCAGATGGGCATGATGGGAAGCCAGCCATACGCCAGCAGCC
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ATGTCCAAACAGTCTCTCAATGGGTCCTACATGAGAAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001205241
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001205241.1, NP_001192170.1</u>
RefSeq Size:	7223 bp
RefSeq ORF:	5292 bp
Locus ID:	54169
Cytogenetics:	14 A3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. 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.</p>