

Product datasheet for MC202172

Kat14 (NM_181417) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kat14 (NM_181417) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kat14
Synonyms:	2510008M08Rik; ATAC2; AU023459; D2Ert473e; D2Wsu131e; E430020F17; Kat14
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC031563 sequence for NM_181417

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GGAGCGAGTCCGCGGCCGGGAGCGGGAATGTCGAGGAGTTCGAAGGCAGTCTGGGCTCTCGGTGCTGC
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ACATTTCTCTGCACACTAGAGCTCGAGAAAAGAGGAAGCCGCCACTGGAAAAGGACATGAAGCCCAAGGG
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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_181417
- Insert Size:** 2340 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:** [BC031563](#), [AAH31563](#)

RefSeq Size: 3741 bp

RefSeq ORF: 2340 bp

Locus ID: 228714

UniProt ID: [Q8CID0](#)

Cytogenetics: 2 71.01 cM

Gene Summary: Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4. May function as a scaffold for the ATAC complex to promote ATAC complex stability. Has also weak histone acetyltransferase activity toward histone H4. Required for the normal progression through G1 and G2/M phases of the cell cycle (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.