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Product datasheet for RR208429

Kat6a (NM_001100570) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kat6a (NM_001100570) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kat6a
Synonyms:	Moz; Myst3; Runxbp2; Znf220
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208429 representing NM_001100570 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTAAAGCTCGCTAACCCGCTGTACACGCAGTGGATTTTGGAGGCCATCAAAAAAGTCAAGAAGCAGA AACAGCGACCTTCAGAAGAAAGAATATGCAATGCAGTGTCGTCCTCCCACGGCTTAGATCGGAAAACTGT CCTGGAGCAGTTGGAGCTGAGTGTTAAAGATGGCACGATCCTAAAAGTCTCAAACAAAGGTCTCAACTCC TATAAAGATCCTGATAATCCTGGGCGAATAGCACTTCCTAAACCTCGAAACCATGGAAAGTTGGATAATA AACAAAGTGTGGATTGGAATAAATTACTCAAGCGGGCATTTGAGGGCTTGGCAGAGTCTGGTGGCTCAAC TTTGAAAAGTATTGAACGCTTTTTGAAAAGCCAGAAGGATGTGTCTGCTGCCTGTGGAGGCACTGCTGCC TCTGGGTTTCACCAGCAGCTGCGGTTGGCGATCAAGCGTGCCGTTGGTCATGGCCGACTCCTTAAAGATG GACCTCTCTACCGGCTCAACACCAAGGCAGCCAATGCTGAAGGGAAAGAGGGCTGCGAGTCGCTCTCGTG TTTACCTCCTGTGTCACTGCTTCCACACGAGAAAGATAAGCCGGTTGCTGAACCAATCCCCATCTGTAGT TTCTGTCTTGGTACAAAAGAACAAAACCGGGAAAAGAAGCCTGAGGACCTCATCTCCTGCGCAGACTGTG GCAATAGCGGTCACCCATCCTGCTTAAAGTTCTCCCCAGAACTCACAGTGAGAGTGAGGGCCCTGCGGTG GCAGTGCATCGAGTGCAAAACGTGCAGCTCCTGTCGCGATCAAGGCAAAAACGCAGATAACATGCTCTTT TGTGATTCATGTGACCGAGGTTTTCACATGGAGTGTTGTGACCCACCCCTCACACGGATGCCAAAAGGCA TGTGGATATGTCAGATATGCCGACCCAGGAAAAAAGGACGGAAACTGCTACAAAAGAAGGCAGCACAGAT AAAACGGCGCTATGCTAATCCAATAGGACGTCCAAAAAACAGGTTAAAGAAACAAAGCACGGTATCAAAA GGTCCCTTTAGCAAAGTTCGAACTGGTCCTGGAAGGGGTCGGAAACGTAAAATCACTGTATCCAGCCAGT CTGCGTCATCCTCAGAAGAAGGCTATTTAGAGCGGATAGATGGCTTGGACTTCTGCAGAGATAGCAGTGC CCCCTTGAAGTTCAACAAGAAAACCAAAGGGCTCATTGATGGCCTTACCAAATTCTTCACCCCTTCTCCT GATGGGCGGAAAGCCCGAGGGGAGGCGGTAGACTACTCTGAGCTCAGAATCAGGAAAAAGGGCAACAGAA AATCAAGTACTTCACATTGGCCCACAGACAATCAGGACGGCTGGGAAAGCAAACAGGAAAGTGAGGAGCG GCTTTTTGGGAGCCAAGAAATCATGACGGAAAGAGATATGGAATTATTTCGTGATATCCAAGAACAAGCA CTGCAGAAAGTTGGAGTAACTGGGCCCCCTGATCCACAAGTCCGCTGTCCCTCCGTCATTGAGTTTGGGA

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Protein Sequence:

>RR208429 representing NM_001100570
Red=Cloning site Green=Tags(s)

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Restriction Sites: SgfI-MluI

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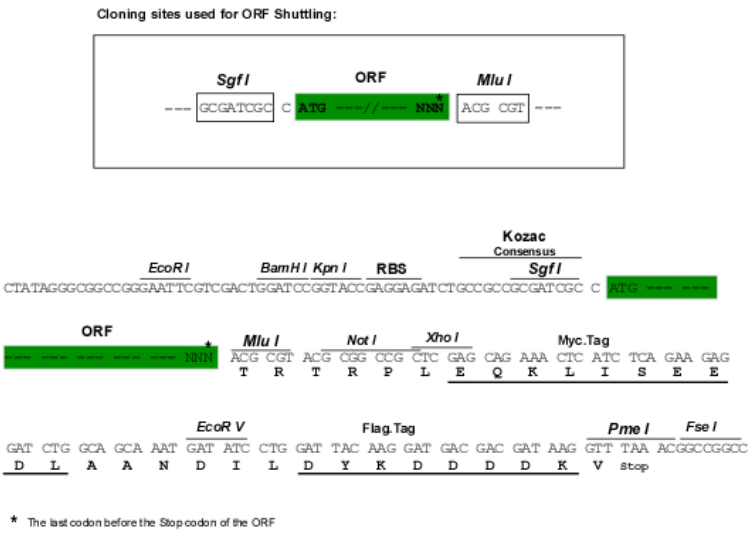
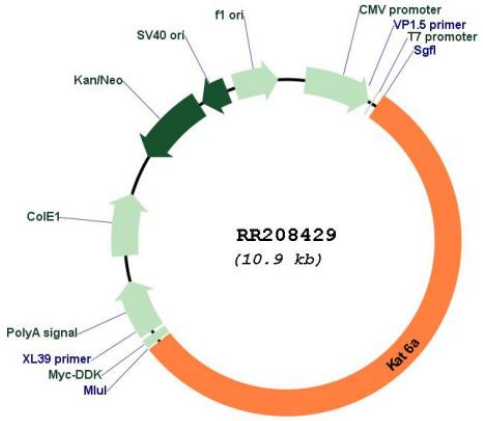
Cloning Scheme:



Plasmid Map:



ACCN:	NM_001100570
ORF Size:	5994 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.

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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_001100570.2, NP_001094040.1
RefSeq Size:	8969 bp
RefSeq ORF:	5997 bp
Locus ID:	306571
UniProt ID:	Q5TKR9
Cytogenetics:	16q12.5
MW:	223.3 kDa
Gene Summary:	Histone acetyltransferase that acetylates lysine residues in histone H3 and histone H4 (in vitro). Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. May act as a transcriptional coactivator for RUNX1 and RUNX2 (By similarity). Acetylates p53/TP53 at 'Lys-120' and 'Lys-382' and controls its transcriptional activity via association with PML (By similarity).[UniProtKB/Swiss-Prot Function]

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