

## Product datasheet for **RG215692**

### **KAT8 (NM\_182958) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KAT8 (NM_182958) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KAT8
Synonyms:	hMOF; LIGOWS; MOF; MYST1; ZC2HC8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG215692 representing NM\_182958  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCACAGGGAGCTGCTGCGGCGGTTGCGGCGGGACTTCAGGGTTCGCGGGGAGGGCGAGCCCG  
 GGCCCGGGGAGAATGCGGCCGCTGAGGGGACCGCCCATCCCGGGCCGGTCTCTCCGCCGACCCCGGC  
 GCGCGCGGAGCCGGAAGTCACGGTGGAGATCGGAGAAACGTACCTGTGCCGGCGACCGGATAGCACCTGG  
 CATTCTGCTGAAGTGATCCAGTCTCGAGTGAACGACCAGGAGGGCCGAGAGGAATTCTATGTACTACTAG  
 TGGGCTTTAACCGGCGGCTGGACGAGTGGGTAGACAAGAACCAGGCTGGCGCTGACCAAGACAGTGAAGGA  
 TGCTGTACAGAAGAACTCAGAGAAGTACCTGAGCGAGCTCGCAGAGCAGCCTGAGCGCAAGATCACTCGC  
 AACCAAAAGCGCAAGCATGATGAGATCAACCATGTGCAGAAGACTTATGCAGAGATGGACCCACCACAG  
 CAGCCTTGGAGAAGGAGCATGAGGCGATACCAAGGTGAAGTATGTGGACAAGATCCACATCGGGAACATA  
 CGAAATTGATGCCTGGTATTTCTCACCATTCCCGAAGACTATGGGAAACAGCCCAAGCTCTGGCTCTGC  
 GAGTACTGCCTCAAGTACATGAAATATGAGAAGAGCTACCGCTTCCACTTGGGTCACTGCCAGTGGCGGC  
 AGCCCCCGGAAAGAGATCTACCGCAAGCAACATCTCCGTGTACGAAGTTGATGGCAAAGACCATAA  
 GATTTACTGTGAGAACCTGTGTCTGCTGGCCAAGCTTTTCTGGACCATAAGACTGTACTTTGACGTG  
 GAGCCGTTCTGCTTTTACATCCTGACTGAGGTGGACCGGCAGGGGGCCACATTGTTGGCTACTTCTCCA  
 AGGAGAAGGAGTCCCGGATGGAACAATGTGGCTGCATCCTGACCTTGCCCCCTACCAACGCCGCGG  
 CTACGGGAAGTTCTCATCGCTTTCAGTTATGAGCTCTCCAAGCTGGAGAGCACAGTCCGGTCCCGGAG  
 AAGCCGCTGTCTGACCTGGGCAAGCTCAGCTACCGCAGCTACTGGTCTGGGTGCTGCTGGAGATCCTGC  
 GGGACTTCGGGGCACACTGTCCATCAAGGACCTCAGCCAGATGACCAGTATCACCAAAATGACATCAT  
 CAGTACCCTGCAATCCCTCAATATGGTCAAGTACTGGAAGGGCCAGCACGTGATCTGTGTACACCCAAAG  
 CTGGTGGAGGAGCACCTCAAAGTGCCAGTATAAGAAACCACCCATCACAGGTGGGTGGGGGCTGCTG  
 TGTGTGCGGGGCGGTGGGGGAGTGTAGTGTGGACTGGTAGGAGTCAAGGCCTCCTTATTGCTGTAC  
 A

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG215692 representing NM\_182958  
 Red=Cloning site Green=Tags(s)

MAAQGAAVAAGTSGVAGEGEPGGENAAAEGTAPSPGRVSPPTPARGEPEVTVEIGETYLRRPDSTW  
 HSAEVIQSRVNDQEGREEFYVHYVGFNRRLDEWVDKNRLALTKTVKDAVQKNSKEYLSELAEQPERK ITR  
 NQKRKHDEINHVQKTYAEMDPTTAALKEHEAITKVKYVDKIHIIGNYEDAWYFSPFPEDYGKQPKLWLC  
 EYCLKYMKYEKSYRFHLGQCQRPPGKEIYRKSNI SVYEVDGKDHKIYCQNLCLLAKLFLDHKTLYFDV  
 EPFVFYILTEVDRQGAHIVGYFSKEKESPDGNNVACILTLPPYQRRGYGKFLIAFSYELSKLESTVGSPE  
 KPLSDLGKLSYRSYWSVWVLEILRDFRGTLSIKDLSQMTSITQNDIISTLQSLNMVKYWKQHVICVTPK  
 LVEEHLKSAQYKPPITGGWGAAVCRGRWGSVSMWTGRSQGLLIAVT

**TR**TRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



**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\\_182958.1](#), [NP\\_892003.1](#)

**RefSeq Size:** 1787 bp

**RefSeq ORF:** 1404 bp

**Locus ID:** 84148

**UniProt ID:** [Q9H7Z6](#)

**Cytogenetics:** 16p11.2

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a member of the MYST histone acetylase protein family. The encoded protein has a characteristic MYST domain containing an acetyl-CoA-binding site, a chromodomain typical of proteins which bind histones, and a C2HC-type zinc finger. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]