

## Product datasheet for **SC307492**

### **KAT5 (NM\_182710) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KAT5 (NM_182710) Human Untagged Clone
Tag:	Tag Free
Symbol:	KAT5
Synonyms:	cPLA2; ESA1; HTATIP; HTATIP1; NEDFASB; PLIP; TIP; TIP60; ZC2HC5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_182710 edited  
 CCGGGATATCGTCGACCCACGCGTCCGGGGAAGATGGCGGAGGTGGTGTAGTCCGGTGCCC  
 GGGGCGGGGGGAGGGAGCCAGGGGAGGTGGGTAGAGCCCGAGGCCCCAGTAGCCGAC  
 CCTGGCGTCGCGTGTCTCCCCAGGGGGAGATAATCGAGGGCTGCCGCTACCCGTGCTG  
 CGGCGGAACCAGGACAACGAAGATGAGTGGCCCTGGCCGAGATCCTGAGCGTGAAGGAC  
 ATCAGTGGCCGGAAGCTTTTCTACGTCCATTACATTGACTTCAACAAACGCTCTGGATGAA  
 TGGGTGACGCATGAGCGGCTGGACCTAAAGAAGATCCAGTTCGCCAAGAAAGAGGCCAAG  
 ACCCCCACTAAGAACGGACTTCCTGGGTCCCGTCCCTGGCTCTCCAGAGAGAGAGGTGCCG  
 GCCTCGGCGCAGGCCAGCGGGAAGACCTTGCCAATCCCGTCCAGATCACAACCTCCGCTTC  
 AACCTGCCAAGGAGCGGGAGGCCATTCCCGTGGCGAGCCTGACCAGCCGCTCTCTCC  
 AGCTCCTGCCTGCAGCCAACCACCGCTCAACGAAACGGAAGGTGGAGGTGGTTTACCA  
 GCAACTCCAGTGCCAGCGAGACAGCCCGGCCTCGGTTTTTCCCAGAATGGAGCCGCC  
 CGTAGGGCAGTGGCAGCCAGCCAGGACGGAAGCGAAAATCGAATTGTTTGGGACTGAT  
 GAGGACTCCCAGGACAGCTCTGATGGAATACCGTCAGCACCACGCATGACTGGCAGCCTG  
 GTGTCTGATCGAAGCCACGACATCGTCACCCGGATGAAGAACATTGAGTGCATTGAG  
 CTGGGCCCGCACCGCCTCAAGCCGTGGTACTTCTCCCGTACCCACAGGAACTACCACA  
 TTGCCTGTCTCTACCTGTGCGAGTTCTGCCTCAAGTACGGCCGTAGTCTCAAGTGTCTT  
 CAGCGTCAATTTGACCAAGTGTGACCTACGACATCCTCCAGGCAATGAGATTTACCACAAG  
 GGCACCATCTCCTTTTGGAGATTGATGGACGTAAGAACAAGAGTTATTTCCAGAACCTG  
 TGTCTTTTGGCCAAGTGTTCCTTGACCATAAGACACTGTACTATGACACAGACCCTTTC  
 CTCTTCTACGTATGACAGAGTATGACTGTAAGGGCTTCCACATCGTGGGCTACTTCTCC  
 AAGGAGAAAGAATCAACGGAAGACTACAATGTGGCCTGCATCCTAACCTGCCTCCCTAC  
 CAGCGCCGGGGCTACGGCAAGCTGCTGATCGAGTTCAGCTATGAACTCTCAAAGTGAA  
 GGGAAAACAGGGACCCCTGAGAAGCCCTCTCAGACCTTGGCCTCTATCTATCGAAGC  
 TACTGGTCCCAGACCATCCTGGAGATCCTGATGGGGCTGAAGTCCGAGAGCGGGGAGAGG  
 CCACAGATCACCATCAATGAGATTAGTAAAATCACCAGCATCAAGAAGGAGGATGTCATC  
 TCCACTCTGCAGTACCTCAATCTCATCAACTACTACAAGGGCCAGTACATCCTCACACTG  
 TCAGAGGACATCGTGGATGGCCATGAGCGGGCCATGCTCAAGCGGCTCCTGCGGATCGAC  
 TCCAAGTGTCTGCACTTCACTCCCAAGGACTGGAGCAAGAGGGGGAAGTGGTACCAGAC  
 ACTGCCACTGCACTGCAAGACGGCAGCAGGACTGGGGCTGATAGCCACCCCGCCCCC  
 ACTGCAGTCCCACAAAGCACTTAAGGGAGATGGGGCTGAGGACAGCTCAAAAAGGAGA  
 GGACAGGCTGGCAGGGGCCACTGGTGGCCAGCACCAAGGCGAGCTCCGGGCTCAGACC  
 AACTCAAAGTCAAGTGGCCACAGGCCAGGCCTCCTCTGAAGCAGGGACCAGAGGGAGC  
 CAGGCAGCTGTGTACAGTGAAGGGATCCGGATGGGGGAGCTCTGTACAGAGGGCTGGT  
 GATTGTAAAAATTTCTTTGTAAGTAGAAGTTGGGGGTGGGGTGGGTGCTGGCTGCAAA  
 AATTTCTGGCTTCTTACCCTATTGCCCCGGCAATAAATTGTTTCTATATGCCAAAA  
 AACAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_182710

**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:** The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

**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\\_182710.1](#), [NP\\_874369.1](#)

**RefSeq Size:** 2335 bp

**RefSeq ORF:** 1641 bp

**Locus ID:** 10524

**UniProt ID:** [Q92993](#)

**Cytogenetics:** 11q13.1

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** The protein encoded by this gene belongs to the MYST family of histone acetyl transferases (HATs) and was originally isolated as an HIV-1 TAT-interactive protein. HATs play important roles in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. This protein is a histone acetylase that has a role in DNA repair and apoptosis and is thought to play an important role in signal transduction. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes the longest protein (isoform 1).