

Product datasheet for **SC331688**

KAT5 (NM_001206833) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KAT5 (NM_001206833) Human Untagged Clone
Tag:	Tag Free
Symbol:	KAT5
Synonyms:	cPLA2; ESA1; HTATIP; HTATIP1; NEDFASB; PLIP; TIP; TIP60; ZC2HC5
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331688 representing NM_001206833. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCGGAGGTGGTGAAGTCCGGTCCCCGGGGCGGGGCGGAGGGAGCCAGGGGAGGTGGGTAGAGCCCGA
GGCCCCCAGTAGCCGACCCTGGCGTCGCGCTGTCTCCCCAGGGGAGATAATCGAGGGCTGCCGCTA
CCCGTGTGCGGCGGAACAGGACAACGAAGATGAGTGGCCCTGGCCGAGATCTGAGCGTGAAGGAC
ATCAGTGGCCGAAGCTTTCTACGTCCATTACATTGACTTCAACAAACGTCTGGATGAATGGGTGACG
CATGAGCGGCTGGACCTAAAGAAGATCCAGTTCCTCAAGAAAGAGGCCAAGACCCCCACTAAGAACGGA
CTTCCTGGGTCCCGTCTGGCTCTCCAGAGAGAGAGGTGAAACGGAAGGTGGAGGTGGTTTCACAGCA
ACTCCAGTGCCGAGCAGACAGCCCCGGCTCGGTTTTTCCCCAGAATGGAGCCGCCGTAGGGCAGTG
GCAGCCCAGCCAGGACGGAAGCGAAAATCGAATTGTTTGGGCACTGATGAGGACTCCCAGGACAGCTCT
GATGGAATACCGTCAGCACCACGCATGACTGGCAGCCTGGTGTCTGATCGAAGCCACGACGACATCGTC
ACCCGGATGAAGAACATTGAGTGCAATTGAGCTGGGCCGGCACCCTCAAGCCGTGGTACTTCTCCCCG
TACCCACAGGAACACCATTCGCTGTCTCTACCTGTGCGAGTTCTGCCTCAAGTACGGCCGTAGT
CTCAAGTGTCTTCAGCGTCATTTGACCAAGTGTGACCTACGACATCCTCCAGGCAATGAGATTTACCGC
AAGGGCACCATCTCCTTCTTTGAGATTGATGGACGTAAGAACAAGAGTTATTCAGAACCTGTGTCTT
TTGGCCAAGTGTTTCTTGACCATAAGACACTGTACTATGACACAGACCCTTCTCTTCTACGTCATG
ACAGAGTATGACTGTAAGGGCTTCCACATCGTGGGCTACTTCTCAAGGAGAAAGAATCAACGGAAGAC
TACAATGTGGCTGCATCCTAACCTGCCTCCCTACCAGCGCCGGGGCTACGGCAAGCTGCTGATCGAG
TTCAGCTATGAATCTCCAAAGTGAAGGGAAAACAGGGACCCCTGAGAAGCCCCCTCAGACCTTGGC
CTCCTATCCTATCGAAGCTACTGGTCCCAGACCATCCTGGAGATCCTGATGGGGCTGAAGTCGGAGAGC
GGGGAGAGGCCACAGATCACCATCAATGAGATTAGTGAATCACCAGCATCAAGAAGGAGGATGTCATC
TCCACTCTGCAGTACCTCAATCTCATCACTACTACAAGGGCCAGTACATCCTCAGCTGTCAGAGGAC
ATCGTGGATGGCCATGAGCGGGCCATGCTCAAGCGGCTCCTGCGGATCGACTCCAAGTGTCTGCACTTC
ACTCCAAGGACTGGAGCAAGAGGGGAAGTGGTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001206833
Insert Size:	1485 bp



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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:	<u>NM_001206833.1</u>
RefSeq Size:	2191 bp
RefSeq ORF:	1485 bp
Locus ID:	10524
UniProt ID:	<u>Q92993</u>
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	56.3 kDa
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 (4) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The resulting protein (isoform 4) is shorter when it is compared to isoform 1.