

Product datasheet for SC331250

KAT7 (NM_001199157) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KAT7 (NM_001199157) Human Untagged Clone
Tag: Tag Free
Symbol: KAT7
Synonyms: HBO1; HBOA; MYST2; ZC2HC7
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331250 representing NM_001199157.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCGGAAGGAAGAGGAATGCAGGCAGTAGTTCAGATGGAACCGAAGATTCCGATTTTTCTACAGAT
CTCGAGCACACAGACAGTTCAGAAAGTGATGGCACATCCCAGCATCTGCTCGAGTCACCCGCTCCTCA
GCCAGGCTAAGCCAGAGTTCTCAAGATTCCAGTCTGTTTCAAGTCTGCAAGTCTGCAAGTCTTTGGCACTGAGGAG
CCTGCTTACTCTACCAGAAGAGTGACCCGTAGTCAGCAGCAGCCTACCCAGTGACACCGAAAAAATAC
CCTCTTCGGCAGACTCGTTCATCTGTTTCAAGAACTGAGCAAGTGGTTGATTTTTTCAGATAGAGGACAC
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GAATGCAAGGCACCAACGGAGAGGCAGCTTCGATATAAGGAAAAAGTGGCTGAACCTCAGGAAGAAAAAGA
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AAACACCTAGTTTTAAAGAGACAGGACCTGATTGATGAGTGGATAGCCAAAGAGGCCAAAAGGTCCAAC
TCCAATAAAACCATGGATCCCAGCTGCTTAAAATGGACCCCTCCAAGGGCACTTAA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001199157
Insert Size: 1506 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:	<ol style="list-style-type: none">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_001199157.1
RefSeq Size:	3334 bp
RefSeq ORF:	1506 bp
Locus ID:	11143
UniProt ID:	O95251
Cytogenetics:	17q21.33
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
MW:	58.1 kDa
Gene Summary:	<p>The protein encoded by this gene is part of the multimeric HBO1 complex, which possesses histone H4-specific acetyltransferase activity. This activity is required for functional replication origins and is involved in transcriptional activation of some genes. In both cases, the acetylation of histone H4 helps unfold chromatin so that the DNA can be accessed and replicated or transcribed. [provided by RefSeq, Oct 2016]</p> <p>Transcript Variant: This variant (4) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter compared to isoform 1.</p>