

## Product datasheet for **RC207554L4V**

### **KAT7 (NM\_007067) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	KAT7 (NM_007067) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KAT7
Synonyms:	HBO1; HBOA; MYST2; ZC2HC7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007067
ORF Size:	1833 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207554).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_007067.3</a> , <a href="#">NP_008998.1</a>
RefSeq Size:	3664 bp
RefSeq ORF:	1836 bp
Locus ID:	11143
UniProt ID:	<a href="#">O95251</a>
Cytogenetics:	17q21.33
Domains:	zf-C2HC, MOZ_SAS, zf-C2H2
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors



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**MW:** 70.6 kDa

**Gene Summary:** 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]