

## Product datasheet for **MR208444L4V**

### Aatf (NM\_019816) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Aatf (NM_019816) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aatf
Synonyms:	4933415H02Rik; 5830465M17Rik; Che-1; Trb
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019816
ORF Size:	1581 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208444).
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_019816.1</a> , <a href="#">NP_062790.1</a>
RefSeq Size:	1844 bp
RefSeq ORF:	1581 bp
Locus ID:	56321
UniProt ID:	<a href="#">Q9JKX4</a>
Cytogenetics:	11 C



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**Gene Summary:**

May function as a general inhibitor of the histone deacetylase HDAC1. Binding to the pocket region of RB1 may displace HDAC1 from RB1/E2F complexes, leading to activation of E2F target genes and cell cycle progression. Conversely, displacement of HDAC1 from SP1 bound to the CDKN1A promoter leads to increased expression of this CDK inhibitor and blocks cell cycle progression (By similarity).[UniProtKB/Swiss-Prot Function]