

Product datasheet for **MR209891L4V**

Hdac10 (NM_199198) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hdac10 (NM_199198) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hdac10
Synonyms:	AW548891; Hd10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_199198
ORF Size:	2001 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209891).
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. More info
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:	NM_199198.1 , NP_954668.1
RefSeq Size:	2424 bp
RefSeq ORF:	2001 bp
Locus ID:	170787
UniProt ID:	Q6P3E7
Cytogenetics:	15 E3



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Gene Summary:

Polyamine deacetylase (PDAC), which acts preferentially on N(8)-acetylspermidine, and also on acetylcadaverine and acetylputrescine. Exhibits attenuated catalytic activity toward N(1),N(8)-diacetylspermidine and very low activity, if any, toward N(1)-acetylspermidine. Histone deacetylase activity has been observed in vitro. Has also been shown to be involved in MSH2 deacetylation. The physiological relevance of protein/histone deacetylase activity is unclear and could be very weak. May play a role in the promotion of late stages of autophagy, possibly autophagosome-lysosome fusion and/or lysosomal exocytosis in neuroblastoma cells. May play a role in homologous recombination. May promote DNA mismatch repair.[UniProtKB/Swiss-Prot Function]