

Product datasheet for **MR211598L4V**

Hdac4 (NM_207225) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hdac4 (NM_207225) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hdac4
Synonyms:	4932408F19Rik; HD4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_207225
ORF Size:	3231 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211598).
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_207225.1
RefSeq Size:	3960 bp
RefSeq ORF:	3231 bp
Locus ID:	208727
UniProt ID:	Q6NZM9
Cytogenetics:	1 D



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Gene Summary:

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. Deacetylates HSPA1A and HSPA1A at 'Lys-77' leading to their preferential binding to co-chaperone STUB1.[UniProtKB/Swiss-Prot Function]