

Product datasheet for RR206368L4

Hdac10 (NM_001035000) Rat Tagged Lenti ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Hdac10 (NM_001035000) Rat Tagged Lenti ORF Clone |
| Tag: | mGFP |
| Symbol: | Hdac10 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RR206368). |
| Restriction Sites: | Sgfl-MluI |
| Cloning Scheme: | |

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

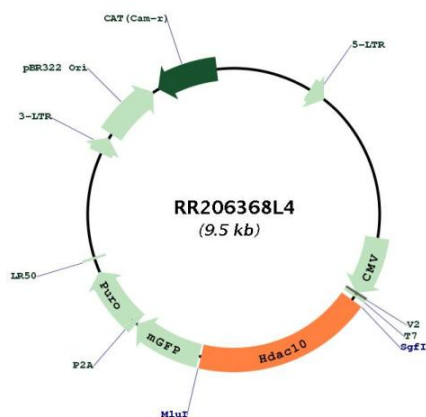
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| ACCN: | NM_001035000 |
| ORF Size: | 1764 bp |



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| 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. |
| 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_001035000.1 , NP_001030172.1 |
| RefSeq Size: | 2174 bp |
| RefSeq ORF: | 1767 bp |
| Locus ID: | 362981 |
| UniProt ID: | Q569C4 |
| Cytogenetics: | 7q34 |
| Gene Summary: | <p>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.</p> <p>[UniProtKB/Swiss-Prot Function]</p> |

Product images:



Circular map for RR206368L4