

## Product datasheet for **MR209891**

### **Hdac10 (NM\_199198) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hdac10 (NM_199198) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hdac10
Synonyms:	AW548891; Hd10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209891 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGCACAGCACTTGTGTACCACGAGGACATGACAGCCACTCGACTGCTCTGGGATGACCCCGAGTGCG  
AAATTGAGTGCCAGAGCGCCTGACAGCTGCCCTGGATGGCTGCGGCAGCGTGGCCTGGAAGAAAAGGTG  
CCTGTGTTTGTACGTTGTGAGGCATCAGAGGAAGAGTTGGGCTTGGTGCACAGCCCGAATATATAGCC  
CTGGTGCAGAAGACCCAGACCCTGGATAAAGAGGAGCTCCACGCACTGTCTAAGCAGTACGATGCTGTCT  
ACTTTCACCCGGACACCTTTCAGTGTGCCCGGCTGGCAGCGGGGCTGCACTGCAGCTGGTCGATGCTGT  
GCTAACAGGAGCTGTGCACAATGGGCTTGGCCTGGTGGGCTCCAGGGCACCACAGTCAGAGGGCAGCT  
GCCAATGGATTCTGTGTGTTCAACAATGTGGCTTAGCAGCCAAACATGCCAAGCAGAAAATGCGGCTGC  
AGAGGATTCTCATTGTCGACTGGGATGTCCACCATGGCCAGGGCATCCAGTATATCTTCAACGATGACCC  
CAGTGTCTTTATTTCTTGGCACCCTATGAGCATGGAAGCTTCTGGCCGTTTCTCCAGAGTCTGAT  
GCAGATGCAGTTGGCCAAGGGCAGGGCCAAGGTTTCACTGTCAATTTGCCCTGGAACAGGTTGGGATGG  
GAAATGCCGACTATTTGGCTGCCTTTCGCATGTGCTGCTCCCACTGGCCTTCGAGTTTGTCTCTGAGTT  
GGTGTGGTGTGCGCTGGATTTGACTCTGCTATCGGGGACCCTGAGGGGCAGATGCAGGCCACCCCTGAG  
TGCTTTGCCCATCTCACACAGCTGCTGCAGGTGCTGGCTGGTGGCCGGATTTGTGCTGTGTTGGAGGGTG  
GCTACCACTTGGAGTCCCTAGCAGCTCAGTGTGCATGATGGTGCAGACACTGCTTGGTGAACCCACACC  
TCCCTTCTTGGGCTCATGGTGCCATGTGAGAGTGCCTGGAGTCCATCCAGAGTGTCCAGACAGCCAG  
ACCCCTTACTGGACAAGCCTCCAGCAAAATGTGGCCCCAGTCTGAGTTCAGCACCCACTCTCCTGAAG  
AGAGATCTCTGCGTCTGCTTGGTGGAGCCCCACATGCGCAGTAGCAGAAGATTCACTGAGCCCCCTCCT  
GGACCAACTGTGCTCCGCCCTGCACCTCCAATCTGCACAGCGGTGGCCTCGACTGTACCAGGTGCTGCT  
CTGTGCTTACCTCCTGGAGTGTCCATCAAGAAGGGTCACTCTTGGAGGAGGAGACCAGCCTGGGCCA  
GGCTTCACAAATCCCGGTTCCAGGATGAGGATCTTGCCCACTGGGGAAGATTCTGTGCTCTTAGATGG  
AATCATGGATGGGCAGATAAGAAATGCCATAGCAACCACAACCTGCCCTCGCCACAGCAGCAACATTGGAT  
GTACTCATTGAGCGATGCCTAGCTCGCAGAGCTCAGAGGGTGTCTGTGTGGCCCTGGGACAACCTGGATC  
GACCCCTGGACCTTGACAGATGATGGGAGAATTCTGTGGCTCAACATCCGGGGCAAGGATGCAGCCATCCA  
GTCCATGTTCCACTTCTCCACTCCACTGCCACAGACAACCTGGAGGGTTTCTGAGCCTCATTCTGGGTCTG  
GTACTGCCCTTGGCCTATGGTTTCCAGCCTGATATGGTGTGATGGCACTGGGGCCTGCCATGGCCTGC  
AGAACGCTCAAGCTGCTCTTGGCTGCAATGCTTCGGAGCCCAGTAGGGGGCCGAATTCAGCTGTAGT  
GGAAGAGGAATCCATACGCTGCTTGAAGGAGCTGGCGCAGGCATTGCATGGAGAAACACCTCCCAGT  
CTGGGTCTTTCTCGAAGGCCACTCCAGAGGAGATCCAGGCTCTGATGTTTCTAAAAGCTCGGCTGGAGG  
CTCGCTGGAAATTGCTGCAGGTGGCTGCTCCTCCACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Reconstitution Method:**

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\\_199198.1](#), [NP\\_954668.1](#)

**RefSeq Size:** 2424 bp

**RefSeq ORF:** 2001 bp

**Locus ID:** 170787

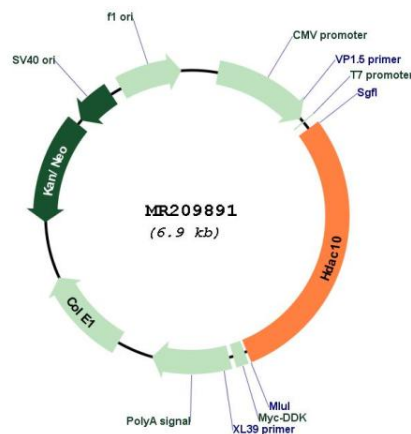
**UniProt ID:** [Q6P3E7](#)

**Cytogenetics:** 15 E3

**MW:** 72.1 kDa

**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]

### Product images:



Circular map for MR209891