

Product datasheet for **MC204849**

Hdac10 (NM_199198) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac10 (NM_199198) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hdac10
Synonyms:	AW548891; Hd10
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC064018
 GCTTGAGCCCGGACCTGGGCCTGGGGTGGTTTCTCTTGCCCAGGTCCAGCGTGCACAACCCAGTTCGTC
 CCGAGTGAGGATTGTTTACGTGCATAGTTAGGTGAGACCGGGCAGTGCAATTACCTGCCGGCAGAGGGCG
 TGGTGCCTTAGAGCGGATCAAAGTGACCACGGTGTAGCTATGGGCACAGCACTTGTGTACCACGAGGACA
 TGACAGCCACTCGACTGCTCTGGGATGACCCCGAGTGCGAAATTGAGTGCCCAGAGCGCCTGACAGCTGC
 CCTGGATGGCCTCGGCAGCGTGGCCTGGAAGAAAGTGCCTGTGTTTGTGAGCTTGTGAGGCATCAGAG
 GAAGGTTGGGCTTGGTGCACAGCCCGGAATATATAGCCCTGGTGCAGAAGACCCAGACCCTGGATAAAG
 AGGAGCTCCACGCACTGTCTAAGCAGTACGATGCTGTCTACTTTACCCGGACACCTTTCACTGTGCCCG
 GCTGGCAGCGGGGCTGCACTGCAGCTGGTCGATGCTGTGCTAACAGGAGCTGTGCACAATGGGCTTGCC
 CTGGTGAGGCCTCCAGGGCACCACAGTCAGAGGGCAGCTGCCAATGGATTCTGTGTGTTCAACAATGTGG
 CTCTAGCAGCCAAACATGCCAAGCAGAAATATGGGCTGCAGAGGATTCTCATTGTGCGACTGGGATGTCCA
 CCATGGCCAGGGCATCCAGTATATCTTCAACGATGACCCAGTGTCTTTATTTCTTGGCACCCTAT
 GAGCATGGAAGCTTCTGGCCGTTTCTCCAGAGTCTGATGCAGATGCAGTTGGCCAAGGGCAGGGCCAAG
 GTTTCCTGTCAATTTGCCCTGGAACCAGTTGGGATGGGAAATGCCACTATTTGGCTGCCTTTCTGCA
 TGTGCTGCTCCACTGGCCTTCGAGTTTGTATCCTGAGTTGGTGTGGTGTGGCTGGATTGACTCTGCT
 ATCGGGGACCCTGAGGGCAGATGCAGGCCACCCCTGAGTGCTTTGCCCATCTCACACAGCTGCTGCAGG
 TGCTGGCTGGTGGCCGGATTTGTGCTGTGTTGGAGGGTGGCTACCACTTGGAGTCCCTAGCACAGTCAGT
 GTGCATGATGGTGCAGACACTGCTTGGTGACCCACACCTCCCCTTCTGGGCTCATGGTGCCATGTGAG
 AGTGCCCTGGAGTCCATCCAGAGTGTCCAGACAGCCAGACCCCTTACTGGACAAGCCTCCAGCAAAATG
 TGGCCCGAGTTCTGAGTTCAGCACCCACTCTCCTGAAGAGAGATCTCTGCGTCTGCTTGGTGAGAGCCC
 CACATGCGCAGTAGCAGAAGATCACTGAGCCCCCTCCTGGACCAACTGTGCCTCCGCCCTGCACCTCCA
 ATCTGCACAGCGGTGGCCTCGACTGTACCAGGTGCTGCTCTGTGCTTACCTCCTGGAGTGTCCATCAAG
 AAGGGTCAGTCTTGAGGGAGGAGACCGAAGCCTGGGCCAGGCTTACAAAATCCCGGTTCCAGGATGAGGA
 TCTTGCCCACTGGGGAAGATTCTGTGCTCTTAGATGGAATCATGGATGGGCAGATAAGAAATGCCATA
 GCAACCACAACCTGCCCTCGCCACAGCAGCAACATTGGATGTAATCATTACGCGATGCCTAGCTCGCAGAG
 CTCAGAGGGTGTCTGTGTGGCCCTGGGACAACCTGGATCGACCCCTGGACCTTGCAGATGATGGGAGAAT
 TCTGTGGCTCAACATCCGGGGCAAGGATGCAGCCATCCAGTCCATGTTCCACTTCTCCACTCCACTGCCA
 CAGACAACCTGGAGGGTTTCTGAGCCTCATTCTGGGTCTGGTACTGCCCTTGGCCTATGGTTTCCAGCCTG
 ATATGGTGTGATGGCACTGGGGCTGCCATGGCCTGCAGAACGCTCAAGCTGCTCTTGGCTGCAAT
 GCTTCGGAGCCCAGTAGGGGGCCGAATTCTAGCTGTAGTGAAGAGGAATCCATACGCTGCTTGAAGG
 AGCCTGGCGCAGGCATTGCATGGAGAAACCTCCAGTCTGGGTCTTTCTCGAAGGCCACTCCAGAGG
 AGATCCAGGCTCTGATGTTTCTAAAAGCTCGGCTGGAGGCTCGCTGGAAATTGCTGCAGGTGGCTGCTCC
 TCACCATAATAACAGTGATTGCCAGTCGCTTGAATCGGTCAAGGTGGGCGATTACACGTGAAAAATA
 GCACACTCGGGCCCCAGCGAACCATGGCCCGAGACCTACGTCCCCTCTGCGGCCAGGCGTCTCTACCT
 CCAGAACAATAAACATCGGCCAAACACAACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_199198

Insert Size: 2001 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:

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: [BC064018](#), [AAH64018](#)

RefSeq Size: 2357 bp

RefSeq ORF: 2001 bp

Locus ID: 170787

UniProt ID: [Q6P3E7](#)

Cytogenetics: 15 E3

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.