

Product datasheet for **RN211585**

Hdac2 (NM_053447) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac2 (NM_053447) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hdac2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211585 representing NM_053447
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTACAGTCAAGGAGCGCAAGAAGAAAGTGTGCTACTATTATGACGGTGATATCGGAATTATT
 ATTACGGCCAGGGTCATCCCATGAAGCCCATAGGATCCGGATGACTCATAAATTGCTTCTAAATTATGG
 TTTATACCGAAAAATGGAATATATAGGCCTCATAAGGCCACTGCTGAAGAAATGACAAAATACCCAGT
 GATGAGTATATCAAGTTTCTACGATCAATAAGGCCAGATAACATGTCAGAGTATAGTAAGCAGATGCAGA
 GATTTAATGTCGGAGAAGACTGTCCAGTGTTCGATGGACTCTTTGAGTTTGTGCTGCTCCACCGTGG
 CTCAGTTGCTGGGGCCGTGAAGCTGAACCGTCAACAGACTGACATGGCTGTCAACTGGCGGGAGGACTG
 CACCACGCCAAGAAGTCAGAGGCCTCAGGATTCTGCTACGTTAATGACATTGTGCTTGTCTCCTCGAGC
 TACTGAAATATCATCAGAGAGTCTTATATATTGACATAGACATCCACCATGGTGTGGTGTGAGGAAGC
 TTTTATACAACAGATCGCGTGTGACCGTCTCATTCCATAAATACGGAGAATACTTTCTGGAACAGGA
 GACTTGAGGGATATTGGTGTGAAAAGGAAAGTACTACGCTGTCAACTTTCCCATGAGGGACGGTATAG
 ATGACGAGTCATATGGACAGATATTTAAGCCTATAATCTCAAAAGTGTGGAGATGTACCAGCCGAGCGC
 GGTGGTGTGCGAGTGTGGCGTACTCCCTCTCTGGTGACAGGCTGGGCTGCTTCAACCTAACTGTCAAA
 GGTACGCTAAATGTGTAGAAGTGTGAAAACCTTTAACTTGCCGTTGCTGATGCTTGGCGGAGGTGGCT
 ACACAATCCGGAATGTTGCTCGATGTTGGACGTATGAGACTGCAGTTGCCCTTGATTGTGAAATCCCAA
 TGAGTTGCCATATAATGATTACTTCGAGTATTTGGACCAGACTTCAAATGCATATTAGTCCCTCAAAC
 ATGACAAACCAGAACACTCCAGAATATATGGAAAAGATAAAACAGCGTTTATTTGAAAATCTGCCAATGT
 TACCACATGCGCCTGGTGTCAAATGCAAGCTATTCAGAAGATGCTGTTTCAAGACAGTGGTGTGATGA
 GGATGGAGAAGACCCTGACAAGAGAATTTCTATTCGAGCATCAGACAAGCGGATAGCTTGTGATGAAGAG
 TTCTCAGATTCTGAGGATGAAGGTGAAGGAGGTCGTAGGAATGTCGCTGATCATAGAAGGGAGCCAAAA
 AAGCCAGGATTGAGGAAGACAAGAAGGAGGCGGAGGACAAGAGGACAGATGTTAAGGAAGAAGACAAATC
 CAAGGACAATAGTGGTGAGAAAACAGACACCAAAGGAGCCAAATCAGAACAACCTCAACAACCT**TGA**

ACCGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053447

Insert Size: 1467 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [NM_053447.1](#), [NP_445899.1](#)

RefSeq Size: 2195 bp

RefSeq ORF: 1467 bp

Locus ID: 84577

Cytogenetics: 20q12

Gene Summary: may be involved in chromatin rearrangement during neural differentiation [RGD, Feb 2006]