

## Product datasheet for **MR226888**

### Hdac3 (NM\_010411) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac3 (NM_010411) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hdac3
Synonyms:	AW537363
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR226888 representing NM\_010411  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCAAGACCGTGGCGTATTTCTACGACCCCGATGTGGCAACTTCCACTATGGAGCTGGACACCCAA  
 TGAACCTCATCGCCTGGCATTGACTCATAGCCTAGTCCTGCATTATGGTCTCTATAAGAAGATGATCGT  
 CTTCAAGCCTTACCAGGCCTCCCAGCATGACATGTGCCGCTTCCATTCTGAGGACTACATCGACTTCCTG  
 CAGAGAGTCAGCCCCACCAATATGCAGGGTTTACCAAGAGCCTTAATGCCTTCAACGTGGGTGATGACT  
 GCCCAGTGTTCAGGACTTTTCGAGTTCTGCTCCCGTTACACAGGCGCATCTCTGCAAGGAGCAACACA  
 GCTAAACAACAAGATCTGTGATATTGCCATCAACTGGGCCGGTGGTCTACATCATGCCAAGAAATTTGAG  
 GCCTCTGGCTTCTGCTATGTCAATGACATAGTAATTGGTATCCTGGAGCTGCTTAAGTACCACCCTCGG  
 TGCTCTACATTGATATCGACATCCACCATGGTGACGGGGTTCAGGAAGCCTTCTACCTACTGACCGGGT  
 CATGACTGTGCCTTCCACAAATACGGAATTAATTCTTTCTGGAACAGGTGACATGTATGAAGTTGGA  
 GCAGAGAGTGGCCGCTACTATTGTCTCAATGTGCCCTTACGAGATGGCATTGATGACCAGAGTTACAAGC  
 ACCTTTTCCAGCCAGTCATCAGCCAGGTGGTGGACTTCTACCAGCCGACGTGCATCGTGCTCCAGTGTGG  
 CGCTGACTCCCTGGGCTGTGATCGATTAGGCTGCTTCAATCTCAGCATTGAGGACATGGGGAATGTGTT  
 GAATATGTCAAGAGTTTCAATATCCCTCTCCTGGTACTGGGAGGTGGTGGCTACACTGTCCGAAATGTTG  
 CCCGGTGTGGACATATGAAACATCTCTGCTGGTAGAAGAGGCCATTAGTGAGGAACTTCCCTATAGTGA  
 ATACTTCGAGTACTTTGCCCCAGATTTCACTCCATCCAGATGTCAGCACCCGCATCGAGAATCAGAAC  
 TCACGCCAGTATCTGGACCAGATCCGCCAGACAATCTTTGAAAATTGAAGATGCTGAACCATGCACCCA  
 GTGTCCAGATTCATGATGTCCCGCAGACCTCTGACGTATGACAGGACTGACGAGGCCGACGCTGAAGA  
 GAGAGGTCCCGAGGAGAACTACAGCAGGCCAGAAGCACCAATGAGTTCTATGATGGCGACCATGACAAC  
 GACAAGGAAAGTGTGTGGAGATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR226888 representing NM\_010411  
 Red=Cloning site Green=Tags(s)

MAKTVAYFYDPDVGNFHYGAGHPMKPHRLALTHSLVLHYGLYKKMIVFKPYQASQHD MCRFHSEDI  
 QRVSPNTMQGFTKSLNAFNVGDDCPVFPGLFEFCSRYTGASLQGATQLNNKICDIAINWAGGLHHAKKFE  
 ASGFYVNDIVIGILELLKYHPRVLYIDIDIHHGDGVQEA FYL TDRVMTVSFHKYGN YFFPGTGD  
 MYE V G AESGRYYCLNVPLRDGIDDQSYKHLFQPVISQVDFYQPTCIVLQCGADSLGCDRLGCFNL  
 SIRGHGECV EYVKSFNIPLLVLGGGGYTVRNVARCWTYETSLLV EEAISEELPYSEYFEYFAPDF  
 TLHPDVSTRIENQN SRQYLDQIRQTI FENL KMLNHAPSVQIHDVPADLLTYDRTDEADAEERGP  
 EENYSRPEAPNEFYDGDHNDKESDVEI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**ACCN:** NM\_010411

**ORF Size:** 1284 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](mailto: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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

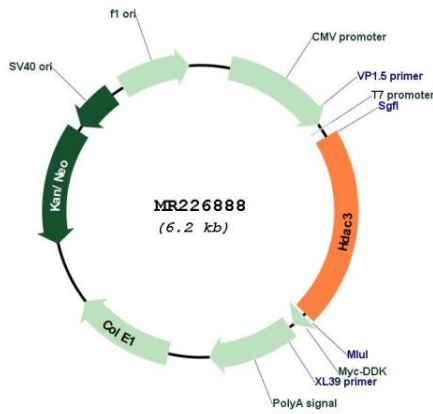
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
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\\_010411.2](#), [NP\\_034541.2](#)

RefSeq Size: 2005 bp  
 RefSeq ORF: 1287 bp  
 Locus ID: 15183  
 Cytogenetics: 18 B3  
 MW: 49.3 kDa

**Product images:**



Circular map for MR226888