

Product datasheet for **MG226888**

Hdac3 (NM_010411) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hdac3 (NM_010411) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Hdac3
Synonyms: AW537363
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226888 representing NM_010411
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAAGACCGTGGCGTATTTCTACGACCCCGATGTGGCAACTTCCACTATGGAGCTGGACACCCAA
 TGA AACCTCATCGCTGGCATTGACTCATAGCCTAGTCTGCATTATGGTCTCTATAAGAAGATGATCGT
 CTTCAAGCCTTACCAGGCCTCCAGCATGACATGTGCCGCTTCCATTCTGAGGACTACATCGACTTCCTG
 CAGAGAGTCAGCCCCACCAATATGCAGGGTTTACCAAGAGCCTTAATGCCTTCAACGTGGGTGATGACT
 GCCAGTGTTCAGGACTTTTCGAGTTCTGCTCCGTTACACAGGCGCATCTCTGCAAGGAGCAACACA
 GCTAAACAACAAGATCTGTGATATTGCCATCAACTGGGCCGGTGGTCTACATCATGCCAAGAAATTTGAG
 GCCTCTGGCTTCTGCTATGTCAATGACATAGTAATTGGTATCCTGGAGCTGCTTAAGTACCACCCTCGGG
 TGCTCTACATTGATATCGACATCCACCATGGTGACGGGTTTACAGGAAGCCTTCTACCTCACTGACCGGGT
 CATGACTGTGCTTCCACAAAACGGAATTACTTCTTCTGGAACAGGTGACATGTGAAGTTGGA
 GCAGAGAGTGGCCGCTACTATTGTCTCAATGTGCCCTTACGAGATGGCATTGATGACCAGAGTTACAAGC
 ACCTTTTCCAGCCAGTCATCAGCCAGGTGGTGGACTTCTACCAGCCGACGTGCATCGTGTCCAGTGTGG
 CGCTGACTCCCTGGGCTGTGATCGATTAGGCTGCTTCAATCTCAGCATTGAGGACATGGGAATGTGTT
 GAATATGTCAAGAGTTTCAATATCCCTCTCCTGGTACTGGAGGTGGTGGCTACTGTCGAAATGTTG
 CCCGGTGTGGACATATGAAACATCTCTGCTGGTAGAAGAGGCCATTAGTGAGGAATTCCTATAGTGA
 ATACTTCGAGTACTTTGCCCCAGATTTCACTCCATCCAGATGTCAGCACCCGCATCGAGAATCAGAAC
 TCACGCCAGTATCTGGACCAGATCCGCCAGACAATCTTTGAAAATTGAAGATGCTGAACCATGCACCCA
 GTGTCCAGATTATGATGTCCCGGCAGACCTCCTGACGTATGACAGGACTGACGAGGCCGACGCTGAAGA
 GAGAGGTCCCAGGAGAACTACAGCAGGCCAGAAGCACCAATGAGTTCTATGATGGCGACCATGACAAC
 GACAAGGAAAGTATGTGGAGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG226888 representing NM_010411
 Red=Cloning site Green=Tags(s)

MAKTVAIFYDPDVGNFHYGAGHPMKPHRLALTHSLVLHYGLYKKMIVFKPYQASQHD MCRFHSEDI DFL
 QRVSPNTMQGFTKSLNAFNVGDDCPVFPGLFEFCSRYTGASLQGATQLNKNICDIAINWAGGLHHAKKFE
 ASGFCYVNDIVIGILELLKYHPRVLYIDIDIHHGDGVQEA FYL TDRVMTVSFHKYGN YFFP GTGDMYEVG
 AESGRYICLVNPLRDGIDDQSYKHLFQPVISQVVDFYQPTCIVLQCGADSLGCDRLGCFNLSIRGHGECV
 EYVKSFNIPLLVLGGGGYTVRNVARCWYETSLLV EEAISEELPYSEYFEYFAPDFLHPDVSTRIENQN
 SRQYLDQIRQTFENLKM LNHAPSVQIHDV PADLLTYDR TDEADAEERGPEENYSRPEAPNEFYDGDHDN
 DKESDVEI

TRTRPLE - GFP Tag - V

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 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](#)

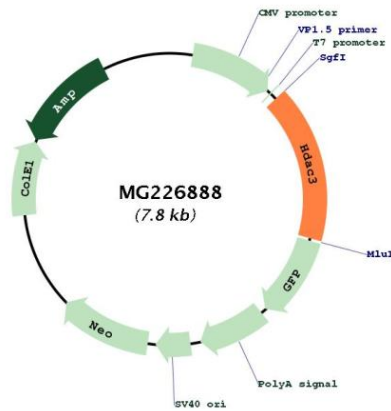
RefSeq Size: 2005 bp

RefSeq ORF: 1287 bp

Locus ID: 15183

Cytogenetics: 18 B3

Product images:



Circular map for MG226888