

Product datasheet for MR205242

Hdac11 (NM_144919) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac11 (NM_144919) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hdac11
Synonyms:	MGC27683
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205242 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTCATGCAACACAGCTGTACCAGCATGTACCAGAGAAACGCTGGCCCATCGTGTACTCACCACGTT
ACAACATCACCTTCATGGGCCTGGAGAAGCTGCACCCCTTTGATGCTGGGAAATGGGGCAAGGTGATCAA
CTTCTGAAAGAAGAGAAGCTGCTGTCCGATGGCATGCTGGTGGAGGCTCGGGAGGCCTCGGAGGAGGAC
CTGCTGGTGGTGCACACGAGGCCTATCTCAACGAGCTGAAGTGGTCTTTGTGGTGGCTACCATCACTG
AGATCCCCCGGTCATCTTTCTCCCAACTTCCTTGTGCAGAGGAAGGTGCTGAGGCCCTGCGGACCCA
GACTGGAGGCACCATCATGGCAGGGAAGCTGGCTGTGGAGCGAGGCTGGCCATCAATGTTGGTGGTGGC
TTCCACCACTGCTCCAGTGACCGTGGTGGGGGCTTCTGTGCCTATGCAGACATCACACTGGCTATCAAGT
TCCTGTTTGAACGCGTGAAGGCATCTCCAGAGCCACCATCATTGATCTCGATGCCACCAGGGCAATGG
GCATGAGCGAGACTTCATGGGTGACAAGCGAGTATACATCATGGATGTTTACAACCGCCACATCTACCCT
GGGATCGCTTTGCTAAAGAGGCCATCAGGCGGAAGGTGGAATTGGAGTGGGGCACAAGAATGAGGAAT
ATCTGGAGAAGGTGGAGAGGAATGTGAGGAGTCCCTCCAGGAGCACCTGCCTGACGTGGTGGTGTACAA
CGCTGGCACGGACGTGCTGGAGGAGACCGCCTCGGGGGGCTGTCCATCAGCCCAGCGGGCATTGTGAAG
AGGGATGAAGTGGTTTTCCGCGTGGTCCGAGCCATGATATACCATCCTCATGGTGACCTCGGGTGGGT
ACCAGAAGCGCACAGCCGATTATCGCCGACTCCATCCTCAACTTGCATGACCTGGGGCTCATTGGGCC
TGAGTTCCCTGCGTCTCGGCACAGAACTCGGGCATCCCCCTGCTTCTGTGCTGTGCCT

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR205242 protein sequence
Red=Cloning site Green=Tags(s)

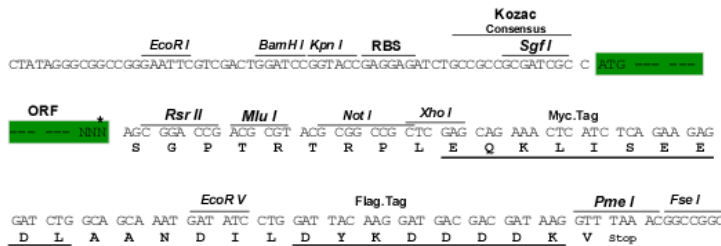
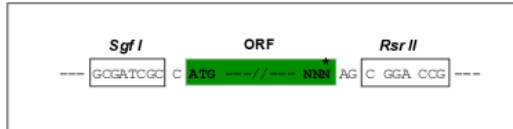
MPHATQLYQHVP EKRWPIVYSPRYNITFMGLEKLHPFDAGKWGKVINFLKEEKLLSDGMLVEAREASEED
 LLVVHTRRYLNELKWSFV VATI TEIPPVIFLPNFLVQRKVL RPLRTQTGGTIMAGKLAVERGWA INVGGG
 FHHCSSDRGGGF CAYADITLAIKFLFERVEGISRATIIDLDAHQGN GHERDFMGDKRVYIMDVYNRHIYP
 GDRFAKEAIRRKVELEWGTEDEEYLEKVERNRRSLQEHL PDVVVYNAGTDVLEGDRLGGLSISPAGIVK
 RDEVVFRVRAHDIPILMVTSGGYQKRTARI IADSILNLHDLGLIGPEFPCVSAQNSGIPLLSCAVP

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_144919

ORF Size: 1044 bp

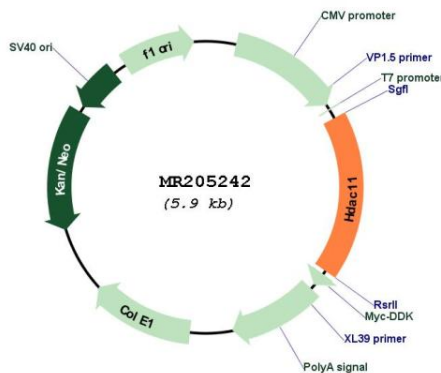
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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_144919.1](#)
- RefSeq Size:** 2494 bp
- RefSeq ORF:** 1044 bp
- Locus ID:** 232232
- UniProt ID:** [Q91WA3](#)
- Cytogenetics:** 6 D1
- MW:** 39.2 kDa
- Gene Summary:** Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205242