

Product datasheet for **MG205242**

Hdac11 (NM_144919) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac11 (NM_144919) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hdac11
Synonyms:	MGC27683
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205242 representing NM_144919 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCACGCAACACAGCTGTACCAGCATGTACCAGAGAAACGCTGGCCATCGTGTACTACCACGTT
ACAACATCACCTTCATGGGCCTGGAGAAGCTGCACCCCTTTGATGCTGGGAAATGGGGCAAGGTGATCAA
CTTCTGAAAGAAGAGAAGCTGCTGTCCGATGGCATGCTGGTGGAGGCTCGGGAGGCCTCGGAGGAGGAC
CTGCTGGTGGTGACACGAGGCGCTATCTCAACGAGCTGAAGTGGTCTTTGTGGTGGCTACCATCACTG
AGATCCCCCGGTCATCTTTCTTCCAACCTTCTGTGCAGAGGAAGGTGCTGAGCCCCTCGGACCCA
GACTGGAGGCACCATCATGGCAGGGAAGCTGGCTGTGGAGCGAGGCTGGGCCATCAATGTTGGTGGTGGC
TTCCACCCTGCTCCAGTGACCGTGGTGGGGGCTTCTGTGCTATGCAGACATCACACTGGCTATCAAGT
TCCTGTTTGAACGCGTGAAGGCATCTCCAGAGCCACCATCATTGATCTCGATGCCACCAGGGCAATGG
GCATGAGCGAGACTTCATGGGTGACAAGCGAGTATACATCATGGATGTTTACAACCGCCACATCTACCC
GGGATCGCTTTGCTAAAGAGGCCATCAGGCGGAAGTGGAAATGGAGTGGGGCACAAGAATGAGGAAT
ATCTGGAGAAGGTGGAGAGGAATGTCAGGAGGTCCCTCCAGGAGCACCTGCCTGACGTGGTGGTGTACAA
CGCTGGCACGGACGTGCTGGAGGAGACCGCCTCGGGGGCTGTCCATCAGCCCAGCGGGCATTGTGAAG
AGGGATGAAGTGGTTTTCCGCGTGGTCCGAGCCCATGATATACCATCCTCATGGTGACCTCGGGTGGGT
ACCAGAAGCGCACAGCCGATTATCGCCGACTCCATCCTCAACTGCATGACCTGGGGCTCATTTGGGCC
TGAGTTTCCCTGCGTCTCGGCACAGAACTCGGGCATCCCCCTGCTTTCTGTGCTGTGCCT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205242 representing NM_144919
 Red=Cloning site Green=Tags(s)

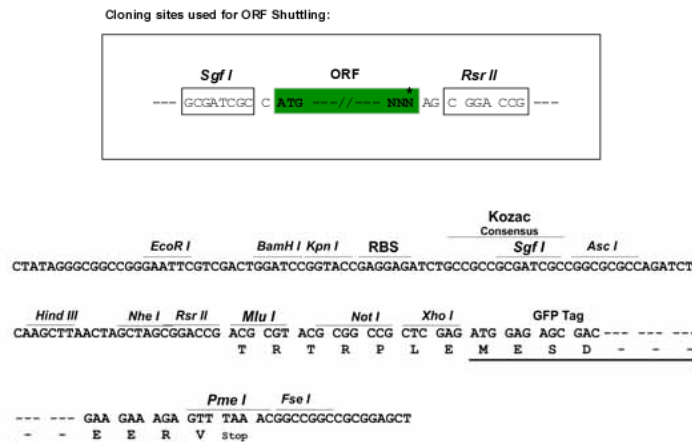
MPHATQLYQHVEKRWPIVYSPRYNITFMGLEKLPFDAGKWGKVINFLKEEKLLSDGMLVEAREASEED
 LLVVHTRRYLNELKWSFVATITEIPPVIFLPNFLVQRKVLRLRTQTGGTIMAGKLAVERGWAINVGGG
 FHCSSDRGGGFCAYADITLAIKFLFERVEGISRATIIDLDAHQNGHERDFMGDKRVYIMDVYNRHIYP
 GDRFAKEAIRRKVELEWGTEDDEEYLEKVERNRRSLQEHLPDVVVYNAGTDVLEGDRLGGLSISPAGIVK
 RDEVVFRVYRAHDIPILMVTSGGYQKRTARIADSILNLHDLGLIGPEFPCVSAQNSGIPLLSCAVP

SGPTRRRLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2307_e03.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_144919

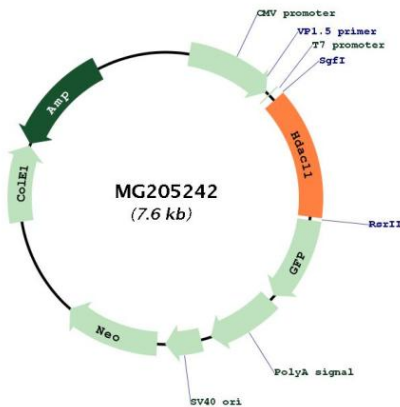
ORF Size: 1041 bp

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:	<ol style="list-style-type: none"> 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_144919.2 , NP_659168.1
RefSeq Size:	2494 bp
RefSeq ORF:	1044 bp
Locus ID:	232232
UniProt ID:	Q91WA3
Cytogenetics:	6 D1
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 MG205242