

Product datasheet for **RG201919**

HDAC11 (NM_024827) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDAC11 (NM_024827) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HDAC11
Synonyms:	HD11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201919 representing NM_024827 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTACACACAACCCAGCTGTACCAGCATGTGCCAGAGACACGCTGGCCAATCGTGTACTCGCCGCGCT
ACAACATCACCTTCATGGGCCTGGAGAAGCTGCATCCCTTTGATGCCGAAAATGGGGCAAAGTGATCAA
TTTCCTAAAAGAAGAGAAGCTTCTGTCTGACAGCATGCTGGTGGAGGCGCGGGAGGCCTCGGAGGAGGAC
CTGCTGGTGGTGCACACGAGGCGCTATCTTAATGAGCTCAAGTGGTCTTTGCTGTTGCTACCATCACAG
AAATCCCCCGTTATCTTCTCCCAACTTCTTGTGCAGAGGAAGGTGCTGAGCCCCCTTCGGACCCA
GACAGGAGGAACCATAAATGGCGGGAAGCTGGCTGTGGAGCGAGGCTGGGCCATCAACGTGGGGGTGGC
TTCCACCACTGCTCCAGCGACCGTGGCGGGGGTCTGTGCTATGCGGACATCACGCTCGCCATCAAGT
TTCTGTTTGAGCGTGTGGAGGGCATCTCCAGGGTACCATCATTGATCTTGATGCCCATCAGGGCAATGG
GCATGAGCGAGACTTCATGGACGACAAGCGTGTGTACATCATGGATGTCTACAACCGCCACATCTACCCA
GGGACCGCTTTGCCAAGCAGGCCATCAGGCGGAAGTGGAGCTGGAGTGGGGCAGAGGATGATGAGT
ACCTGGATAAGGTGGAGAGGAACATCAAGAAATCCCTCCAGGAGCACCTGCCGACGTGGTGGTATACAA
TGCAGGACCGACATCCTCGAGGGGACCGCTTGGGGGGCTGTCCATCAGCCCAGCGGGCATCGTGAAG
CGGGATGAGCTGGTGTCCGGATGGTCCGTGGCCGCGGGTGGCCATCCTTATGGTGACCTCAGGCGGGT
ACCAGAAGCGCACAGCCCGCATCATTGCTGACTCCATACTTAATCTGTTTGGCCTGGGGCTATTGGGCC
TGAGTACCCAGCGTCTCCGCACAGAACTCAGACACACCGCTGCTTCCCCCTGCAGTGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201919 representing NM_024827
 Red=Cloning site Green=Tags(s)

MLHTTQLYQHPETRWPIVYSPRYNITFMGLEKLPFDAGKWGKVINFLKEEKLLSDSMLVEAREASEED
 LLVVHTRRYLNELKWSFVATITEIPPVIFLPNFLVQRKVLRLRQTGGTIMAGKLAVERGWAINVGGG
 FHCSSDRGGGFCAYADITLAIKFLFERVEGISRATIIDLDAHQNGHERDFMDDKRVYIMDVYNRHIYP
 GDRFAKQAIRRKVELEWGTEDDEYLDKVERNIKKSLQEHLPDVVVYNAGTDILEGDRLGGLSISPAGIVK
 RDELVFRMVRGRRVPILMVTSGGYQKRTARIADSILNLFGLGLIGPESPSVSAQNSDTPLLPPAVP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024827

ORF Size: 1041 bp

OTI Disclaimer: 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_024827.4](#)

RefSeq Size: 1755 bp

RefSeq ORF: 1044 bp

Locus ID: 79885

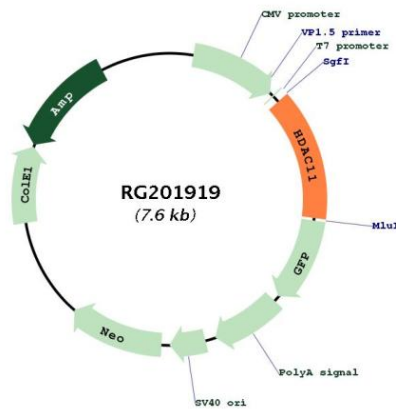
UniProt ID: [Q96DB2](#)

Cytogenetics: 3p25.1

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a class IV histone deacetylase. The encoded protein is localized to the nucleus and may be involved in regulating the expression of interleukin 10. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Apr 2009]

Product images:



Circular map for RG201919