

## Product datasheet for **RG227612**

### HDAC11 (NM\_001136041) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HDAC11 (NM_001136041) 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:	>RG227612 representing NM_001136041 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCCTGGAGAAGCTGCATCCCTTTGATGCCGAAAAATGGGGCAAAGTGATCAATTTCTAAAAGAAG  
AGAAGTTCTGTCTGACAGCATGCTGGTGGAGGCGGGAGGCCCTCGGAGGAGGACCTGCTGGTGGTGCA  
CACGAGGCGCTATCTTAATGAGCTCAAGAGGAAGGTGCTGAGGCCCTTCGGACCCAGACAGGAGGAACC  
ATAATGGCGGGGAAGCTGGCTGTGGAGCGAGGCTGGGCCATCAACGTGGGGGTGGCTTCCACCACTGCT  
CCAGCGACCGTGGCGGGGCTTCTGTGCCTATGCGGACATCACGCTCGCCATCAAGTTTCTGTTTGAGCG  
TGTGGAGGGCATCTCCAGGGCTACCATCATTGATCTTGATGCCCATCAGGGCAATGGGCATGAGCGAGAC  
TTCATGGACGACAAGCGTGTGTACATCATGGATGTCTACAACCGCCACATCTACCCAGGGGACCGCTTTG  
CCAAGCAGGCCATCAGGCGGAAGGTGGAGCTGGAGTGGGGCACAGAGGATGATGAGTACCTGGATAAGGT  
GGAGAGGAACATCAAGAAATCCCTCCAGGAGCACCTGCCCGACGTGGTGGTATACAATGCAGGCACCGAC  
ATCCTCGAGGGGGACCGCCTTGGGGGCTGTCCATCAGCCAGCGGGCATCGTGAAGCGGGATGAGCTGG  
TGTTCCGATGGTCCGTGGCCCGGGTGCCCATCCTTATGGTACCTCAGGCGGGTACCAGAAGCGCAC  
AGCCCCATCATTGCTGACTCCATACTTAATCTGTTTGGCCTGGGGCTCATTGGGCTGAGTCACCCAGC  
GTCTCCGCACAGAACTCAGACACACCGCTGCTTCCCCGTCAGTGCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227612 representing NM\_001136041  
 Red=Cloning site Green=Tags(s)

MGLEKLHPFDAGKWGKVINFLKEEKLLSDSMLVEAREASEEDLLVHTRRYLNELKRKVLRLRTQTGGT  
 IMAGKLAVERGWAIVGGGFHHCSSDRGGGFCA YADITLAIKFLFERVEGISRATIIDLDAHQGNHERD  
 FMDDKRVYIMDVYNRHIYPGDRFAKQAIRRKVELEWGTEDDEYLDKVERNIKSLQEHLPDVVVYNAGTD  
 ILEGDRLGGLSISPAGIVKRDELVFRMVRGRRPILMVTSGGYQKRTARIADSI LNLFGLGLIGPESPS  
 VSAQNSDTPLLP PAVP

TRTRPLE - GFP Tag - V

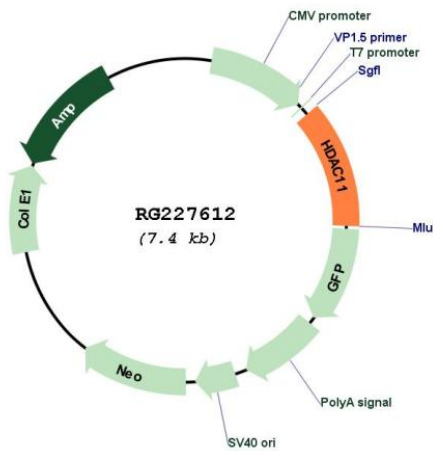
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001136041

**ORF Size:** 888 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001136041.3</a>
<b>RefSeq Size:</b>	1559 bp
<b>RefSeq ORF:</b>	891 bp
<b>Locus ID:</b>	79885
<b>UniProt ID:</b>	<a href="#">Q96DB2</a>
<b>Cytogenetics:</b>	3p25.1
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	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]