

Product datasheet for **SC310009**

HDAC9 (NM_058176) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HDAC9 (NM_058176) Human Untagged Clone
Tag: Tag Free
Symbol: HDAC9
Synonyms: HD7; HD7b; HD9; HDAC; HDAC7; HDAC7B; HDAC9B; HDAC9FL; HDRP; MITR
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_058176 edited
CACAGATAGGAGAAGGGCACCGCTGGAGCCACTTGCAGGACTGAGGGTTTTTGCACAA
AACCCCTAGCAGCCTGAAGAACTCTAAGCCAGGTTTAATTGGTTTTCTTTTCTCGTGGGTA
GACTTAATAATTTTCTAGTATTCTGACAAAGAAATAACCCCGAAGCACGTTCTATTTC
CCACCTGCTTGTAGTTTCCGGGATAACCTAAACTCCAGAGAGCTATAGCATCCACTCTGT
CCTTTCTGCTTTGCACACAGATGGGGTGGCTGGACGAGAGCAGCTCTGGCTCAGCAAAG
AATGCACAGTATGATCAGCTCAGTGGATGTGAAGTCAGAAGTTCCTGTGGGCCTGGAGCC
CATCTCACCTTTAGACCTAAGGACAGACCTCAGGATGATGATGCCCGTGGTGGACCCTGT
TGTCCTGAGAGAAGCAATTGCAGCAGGAATTACTTCTTATCCAGCAGCAGCAACAAATCCA
GAAGCAGCTTCTGATAGCAGAGTTTCAGAAACAGCATGAGAACTTGACACGGCAGCACCA
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TCCAATAATGGAAAAATCATTCCGTGAGCCGCCATCCCAAGCTCTGGTACACGGCTGC
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GTACACATTACCAGGAGCACAAGATGCAAAGGATGATTTCCCCCTTCGAAAACTGCCTC
TGAGCCCAACTTGAAGGTGCGGTCCAGGTTAAAACAGAAAGTGGCAGAGAGGAGAAGCAG
CCCCTTACTCAGGCGGAAGGATGGAATGTTGTCACTTCATTCAAGAAGCGAATGTTTGA
GGTGACAGAATCCTCAGTCAGTAGCAGTTCTCCAGGCTCTGGTCCCAGTTCACCAAACAA
TGGGCCAACTGGAAGTGTACTGAAAATGAGACTTCGGTTTTGCCCCCTACCCCTCATGC
CGAGCAAATGGTTTTACAGCAACGCATTCTAATTCATGAAGATTCATGAACCTGCTAAG
TCTTTATACCTCTCCTTCTTTGCCAACATTACCTTGGGGCTTCCCGCAGTGCCATCCCA
GCTCAATGCTTCGAATCACTCAAAGAAAAGCAGAAGTGTGAGACGCAGACGCTTAGGCA
AGGTGTTCTCTGCTGGCAGTATGGAGGCAGCATCCCGCATCTTCCAGCCACCCTCA
TGTTACTTTAGAGGAAAGCCACCCAACAGCAGCCACCAGGCTCTCTGCAGCATTATT
ATTGAAAGAACAATGCGACAGCAAAAGCTTCTGTAGCTGGTGGAGTTCCTTACATCC



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TCAGTCTCCCTTGGAACAAAAGAGAGAATTTACCTGGCATTAGAGGTACCCACAAATT
GCCCCGTACAGACCCCTGAACCGAACCCAGTCTGCACCTTTGCCTCAGAGCACGTTGGC
TCAGCTGGTCATTCAACAGCAACACCAGCAATTTGGAGAAGCAGAAGCAATACCAGCA
GCAGATCCACATGAACAAACTGCTTTTCAAATCTATTGAACAACGAAGCAACCAGGCAG
TCACCTTGAGGAAGCAGAGGAAGAGCTTCAAGGGGACCAGGCGATGCAGGAAGACAGAGC
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ACAAGTTGGGGCTGTGAAGGTCAAGGAGGAACCCAGTGGACAGTGAAGATGCATCAGAT
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GCACACACGTGGCCTCTCTGTGCCCAAGCTCCGCTGGCTGCGGTTGGCATGGATGGATT
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TCACTCCATCGCTATGATGAAGGGAACTTTTTCCCTGGCAGTGGAGCCCAATGAGGT
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TCCCATGGGAGATGTTGAGTACCTTGAAGCATTAGGACCATCGTGAAGCCTGTGGCCAA
AGAGTTTGTATCCAGACATGGTCTTAGTATCTGCTGGATTTGATGCATTGGAAGGCCACAC
CCCTCCTTAGGAGGGTACAAAGTACGCGCAAAATGTTTTGGTCAATTTGACGAAGCAATT
GATGACATTGGCTGATGGACGTGTGGTGTGGCTCTAGAAGGAGGACATGATCTCACAGC
CATCTGTGATGCATCAGAAGCCTGTGTAATGCCCTTCTAGGAAATGAGCTGGAGCCACT
TGCAGAAGATATTCTCCACCAAAGCCGAATATGAATGCTGTTATTTCTTACAGAAGAT
CATTGAAATCAAAGTATGTCTTAAAGTTCTCTTAA
    
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Restriction Sites:

Please inquire

ACCN:

NM_058176

Insert Size:

3300 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:

The ORF of this clone has been fully sequenced and found to be a perfect match to NM_058176.1.

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:	<u>NM_058176.1, NP_478056.1</u>
RefSeq Size:	3186 bp
RefSeq ORF:	3036 bp
Locus ID:	9734
UniProt ID:	<u>Q9UKV0</u>
Cytogenetics:	7p21.1
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the predominant isoform (1).</p>