

Product datasheet for SC301993

HDAC5 (NM_001015053) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDAC5 (NM_001015053) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDAC5
Synonyms:	HD5; NY-CO-9
Vector:	<u>pCMV6 series</u>

Fully Sequenced ORF: >NCBI ORF sequence for NM_001015053, the custom clone sequence may differ by one or more nucleotides

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ATGAACTCTCCCAACGAGTCGGCAGATGGGATGTCAGGTCGGAACCATCCTTGGAAATC
CTGCCGCGGACTTCTCTGCACAGCATCCCTGTGACAGTGGAGGTGAAGCCGGTGCTGCCA
AGAGCCATGCCAGTTCCATGGGGGTGGGGTGGAGGCAGCCCCAGCCCTGTGGAGCTA
CGGGGGCTCTGGTGGGCTCTGTGGACCCACACTGCGGGAGCAGCAACTGCAGCAGGAG
CTCCTGGCGCTCAAGCAGCAGCAGCTGCAGAAGCAGCTCCTGTTGCTGAGTTCAG
AAACAGCATGACCACCTGACAAGGCAGCATGAGGTCCAGCTGCAGAAGCACCTCAAGCAG
CAGCAGGAGATGCTGGCAGCCAAGCAGCAGCAGGAGATGCTGGCAGCCAAGCGGCAGCAG
GAGCTGGAGCAGCAGCGGCAGCGGGAGCAGCAGCGGCAGGAAGAGCTGGAGAAGCAGCGG
CTGGAGCAGCAGCTGCTCATCCTGCGGAACAAGGAGAAGAGCAAAGAGAGTGCCATTGCC
AGCACTGAGGTAAGCTGAGGCTCCAGGAATTCCTCTTGTGCAAGTCAAAGGAGCCACACA
CCAGGGCGGCTCAACCATTCCCTCCCACAGCACCCCAAATGCTGGGGAGCCACCATGCT
TCTTTGGACCAGAGTTCCCTCCCAGAGCGGCCCCCTGGGACGCCTCCCTCCTACAAA
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GAACCCAACTTGAAAGTGCCTTCAAGGCTAAAACAGAAGGTGGCTGAGCGGAGAAGCAGT
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GAGAGGCAGGCCCTCCAGTCCCTGCGGCAGGTGGCACGCTGACCGGCAAGTTCATGAGC
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GGGCATGCCTCCCTGCTGCAGCATGTGCTGTTGCTGGAGCAGGCCCGGCAGCAGAGCACC
CTATTGCTGTGCCACTCCACGGCAGTCCCCTAGTACGGGTGAACGTGTGGCCACC
AGCATGCGGACGGTAGGCAAGCTCCCGGCATCGGCCCTGAGCCGCACTCAGTCTCA
CCGCTGCCGAGAGTCCCAGGCCCTGCAGCAGCTGGTCAATGCAACAACAGCACCAGCAG
TTCCTGGAGAAGCAGAAGCAGCAGCTACAGCTGGGCAAGATCCTCACCAAGCAGGG
GAGCTGCCAGGCAGCCACCACCCTGAGGAGACAGAGGAGGAGCTGACGGAGCAG
CAGGAGGTCTTGTGGGGAGGGAGCCCTGACCATGCCCCGGGAGGGCTCCACAGAGAGT

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GAGAGCACACAGGAAGACCTGGAGGAGGAGGACGAGGAAGACGATGGGGAGGAGGAGGAG
 GATTGCATCCAGGTTAAGGACGAGGAGGGCGAGAGTGGTCTGAGGAGGGGCCCGACTTG
 GAGGAGCCTGGTCTGGATACAAAAAAGTGTCTCAGATGCCAGCCGCTGCAGCCTTTG
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 GTGAACGTGGCATGGACAGGAGGTGTGGACCCCCCATTTGGAGACGTGGAGTACCTTACA
 GCCTTCAGGACAGTGGTGTATGCCATTGCCACAGATTCTCACCTGATGTGGTCTTAGTC
 TCCGCCGGGTTTGTATGCTGTTGAAGGACATCTGTCTCCTCTGGGTGGCTACTCTGTACC
 GCCAGATGTTTTGGCCACTTGACCAGGCAGCTGATGACCCTGGCAGGGGGCCGGGTGGTG
 CTGGCCCTGGAGGGAGGCCATGACTTGACCGCCATCTGTGATGCCTCTGAGGCTTGTGTC
 TCGGCTCTGCTCAGTGTAGAGCTGCAGCCCTTGATGAGGCAGTCTTGCAGCAAAAAGCC
 AACATCAACGCAGTGGCCACGCTAGAGAAAGTCATCGAGATCCAGAGCAAACTGGAGC
 TGTGTGAGAAGTTCCGCGCTGGTCTGGGCCGGTCCCTGCGAGAGGCCAAAGCAGGTGAG
 ACCGAGGAGGCCGAGACTGTGAGCGCCATGGCCTTGTGTGCGTGGGGGCCGAGCAGGCC
 CAGGCTGCGGCAGCCCGGAACACAGCCCCAGGCCGGCAGAGGAGCCATGGAGCAGGAG
 CCTGCCCTGTGA

Restriction Sites:

Please inquire

ACCN:

NM_001015053

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001015053.1 , NP_001015053.1
RefSeq Size:	5327 bp
RefSeq ORF:	3372 bp
Locus ID:	10014
UniProt ID:	Q9UQL6
Cytogenetics:	17q21.31
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 belongs to the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) represents the longer transcript and encodes the longer isoform (3).</p>