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Product datasheet for SC106276

HDAC10 (AL512711) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDAC10 (AL512711) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDAC10
Synonyms:	HD10
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AL512711, the custom clone sequence may differ by one or more nucleotides

GTCACTGGCGGAGTCAGTGTGCATGACAGTACAGACGCTGCTGGGTGACCCGGCCCCACCCCTGTCAGGG
CCAATGGCGCCATGTCAGAGGTGCGAGGGGAGGTAGGGCGGGCAGGGCCGGGGTGTGAGACCAGGTGTCA
CGACTGTTGTGTCTCCCTCACAGTGCCCTAGAGTCCATCCAGAGTGCCCGTGCTGCCCAGGCCCCGCACT
GGAAGAGCCTCCAGCAGCAAGATGTGACCGCTGTGCCGATGAGCCCCAGCAGCCACTCCCCAGAGGGGAG
GCCTCCACCTCTGCTGCCTGGGGGTCCAGTGTGTAAGGCAGCTGCATCTGCACCGAGCTCCCTCCTGGAC
CAGCCGTGCCTCTGCCCCGCACCCTCTGTCCGCACCGCTGTTGCCCTGACAACGCCGGATATCACATTGG
TTCTGCCCCCTGACGTCATCCAACAGGAAGCGTCAGCCCTGAGGGAGGAGACAGAAGCCTGGGCCAGGTG
GGCAGGGCTGGCCTGGGGAGAAGGATGGGGCCGCATCTACACCTGTGCCTGTGTGTGCCTGACCTGCGGT
CACTCCGTGTCTGTGTGTCCCTCTGGTCTGTCCACCACAGGCCACACGAGTCCCTGGCCCGGGAGGAGGC
CCTCACTGCACTTGGGAAGCTCCTGTACCTCTTAGATGGGATGCTGGATGGGCAGGTGGGAGCACCTGGG
AGGGGTTGGGGATGCTGTGGACCTAGGGGCAGGGACCAGGACCTGCCAACGAGATGTGGCCTGTCCAGAG
GAGGGCTGGGTGGTGCAGAACCACATGGATGTGAACATTGCCTTGTGCCAGGAACTGTTCCCAGAACAGC
CCCAGGGGTGGGGATCACTAGTGTGTCTGACCTCTGACCTCAGCTTCTTCAGTTAAATGCTCTTTGGCAG
AGAGGTGAAGGGGGTGATTTAAAGTATACATTTAGGCAGGGTGCAGTGGCTCATGCCTGTAATAACGGCA
GTTTGGGGGGCCAAGGTGGGAGAAACGCTTGAGCCCAGGAGTTCAAGACCAGCCTAGAGAACATATGGAG
ACCCTGTCTTCACAAAAAATAAAAAAGTCAGCCAAGCGTGGTGGTGTGTGCCTGTAGTTACTTAGGAGGC
TGAGGCAGGACGATCGCTTAAGCCCAGGAGTTTGAGGCTGTGGTGAGCTACAATTGCGCCACTGCACGCC
AGCCTGGCTACAGAACGAGACCCTGCCTCTCCAAAAAAAAAAAAAAAAAAAG

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5' Read Nucleotide Sequence:

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>OriGene 5' read for AL512711 unedited
NNNNNNNNTTGTTCGNATTTTGTATACGACTCCTATAGGGCGGCCGCGATTCGGCACCAG
GCGGCTACCACCTGGNATCACTGGCGGAGTCAGTGTGCATGACAGTACAGACGCTGCTGG
GTGACCCGGCCCCACCCCTGTCAGGGCCAATGGCGCCATGTCAGAGGTGCGAGGGGAGGT
AGGGCGGGCAGGGCCGGGGTGTGAGACCAGGTGTCACGACTGTTGTGTCTCCCTCACAGT
GCCCTAGAGTCCATCCAGAGTGCCCGTGCTGCCCAGGCCCCGCACTGGAAGAGCCTCCAG
CAGCAAGGTCAGTGTGGCCGGGTGCTAGGCTGCAGGATCCCACCTCGGGCTCCTGTGCAG
TGGCTATGACTCCGAACTGTCCCTAGATGTGACCGCTGTGCCGATGAGCCCCAGCAGCCA
CTCCCCAGAGGGGAGGCCTCCACCTCTGCTGCCTGGGGGTCCAGTGTGTAAGGCAGCTGC
ATCTGCACCGAGCTCCCTCCTGGACCAGCCGTGCCTCTGCCCCGCACCCTCTGTCCGCAC
CGCTGTTGCCCTGACAACGCCGGATATACATTGGTTCTGCCCCCTGACGTCATCCAACAG
GAAGCGTCAGCCCTGAGGGGAGGAGACAGAAGCCTGGGCCAGGTGAACAGTGGTATAGCA
GCCACTCCAGCCTCTGCTGCAGCAGCCACCTGGATTTGGCTGNTCGGNAGAGGCCTGTCC
CACGNAGCCCANAGCTGCTGTGCGTGGNCCCTGGACAGCTGGACCGNNCTNCAGACTCGC
CATACGGNAGGAGTCTGTGGCTGACATCAGGGCAAGGAGGCGCTGCCTATCCTGTTTCAT
GTCNTCACGCCTGCANGAGACCCGGGGTTTCCTGACTGATTTGGCCTTGTGCTGCCCTGG
C
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Restriction Sites: NotI-NotI

ACCN: AL512711

Insert Size: 1350 bp

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).

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: AL512711.1, CAC21653.2

RefSeq Size: 1242 bp

RefSeq ORF: 1242 bp

Locus ID: 83933

Cytogenetics: 22q13.33

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene belongs to the histone deacetylase family, members of which deacetylate lysine residues on the N-terminal part of the core histones. Histone deacetylation modulates chromatin structure, and plays an important role in transcriptional regulation, cell cycle progression, and developmental events. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]