OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC325730

HDAC11 (NM_001136041) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDAC11 (NM_001136041) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDAC11
Synonyms:	HD11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325730 representing NM_001136041. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGGCCTGGAGAAGCTGCATCCCTTTGATGCCGGAAAATGGGGCAAAGTGATCAATTTCCTAAAAGAA GAGAAGCTTCTGTCTGACAGCATGCTGGTGGAGGCGCGGGAGGCCTCGGAGGAGGACCTGCTGGTGGTG CACACGAGGCGCTATCTTAATGAGCTCAAGAGGAAGGTGCTGAGGCCCCTTCGGACCCAGACAGGAGGA ACCATAATGGCGGGGAAGCTGGCTGTGGAGCGAGGCTGGGCCATCAACGTGGGGGGTGGCTTCCACCAC TGCTCCAGCGACCGTGGCGGGGGCTTCTGTGCCTATGCGGACATCACGCTCGCCATCAAGTTTCTGTTT GAGCGTGTGGAGGGCATCTCCAGGGCTACCATCATTGATCTTGATGCCCATCAGGGCAATGGGCATGAG CGAGACTTCATGGACGACAAGCGTGTGTACATCATGGATGTCTACAACCGCCACATCTACCCAGGGGAC CGCTTTGCCAAGCAGGCCATCAGGCGGAAGGTGGAGCTGGAGTGGGGCACAGAGGATGATGAGTACCTG GATAAGGTGGAGAGGAACATCAAGAAATCCCTCCAGGAGCACCTGCCCGACGTGGTGGTATACAATGCA GGCACCGACATCCTCGAGGGGGACCGCCTTGGGGGGCTGTCCATCAGCCCAGCGGGCATCGTGAAGCGG GATGAGCTGGTGTTCCGGATGGTCCGTGGCCGCCGGGTGCCCATCCTTATGGTGACCTCAGGCGGGTAC CAGAAGCGCACAGCCCGCATCATTGCTGACTCCATACTTAATCTGTTTGGCCTGGGGCTCATTGGGCCT GAGTCACCCAGCGTCTCCGCACAGAACTCAGACACACCGCTGCTTCCCCCTGCAGTGCCCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001136041
Insert Size:	891 bp

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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_001136041.2
RefSeq Size:	2817 bp
RefSeq ORF:	891 bp
Locus ID:	79885
UniProt ID:	Q96DB2
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	33.1 kDa
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] Transcript Variant: This variant (2) differs in the 5' UTR and coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.