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Product datasheet for RC227612

HDAC11 (NM_001136041) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDAC11 (NM_001136041) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HDAC11
Synonyms:	HD11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC227612 representing NM_001136041
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCCTGGAGAAGCTGCATCCCTTTGATGCCGGAAAATGGGGCAAAGTGATCAATTTCCTAAAAGAAG
AGAAGCTTCTGTCTGACAGCATGCTGGTGGAGGCGCGGGAGGCCTCGGAGGAGGACCTGCTGGTGGTGCA
CACGAGGCGCTATCTTAATGAGCTCAAGAGGAAGGTGCTGAGGCCCCTTCGGACCCAGACAGGAGGAACC
ATAATGGCGGGGAAGCTGGCTGTGGAGCGAGGCTGGGCCATCAACGTGGGGGGTGGCTTCCACCACTGCT
CCAGCGACCGTGGCGGGGGCTTCTGTGCCTATGCGGACATCACGCTCGCCATCAAGTTTCTGTTTGAGCG
TGTGGAGGGCATCTCCAGGGCTACCATCATTGATCTTGATGCCCATCAGGGCAATGGGCATGAGCGAGAC
TTCATGGACGACAAGCGTGTGTACATCATGGATGTCTACAACCGCCACATCTACCCAGGGGACCGCTTTG
CCAAGCAGGCCATCAGGCGGAAGGTGGAGCTGGAGTGGGGCACAGAGGATGATGAGTACCTGGATAAGGT
GGAGAGGAACATCAAGAAATCCCTCCAGGAGCACCTGCCCGACGTGGTGGTATACAATGCAGGCACCGAC
ATCCTCGAGGGGGACCGCCTTGGGGGGCTGTCCATCAGCCCAGCGGGCATCGTGAAGCGGGATGAGCTGG
TGTTCCGGATGGTCCGTGGCCGCCGGGTGCCCATCCTTATGGTGACCTCAGGCGGGTACCAGAAGCGCAC
AGCCCGCATCATTGCTGACTCCATACTTAATCTGTTTGGCCTGGGGCTCATTGGGCCTGAGTCACCCAGC
GTCTCCGCACAGAACTCAGACACACCGCTGCTTCCCCCTGCAGTGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC227612 representing NM_001136041
Red=Cloning site Green=Tags(s)

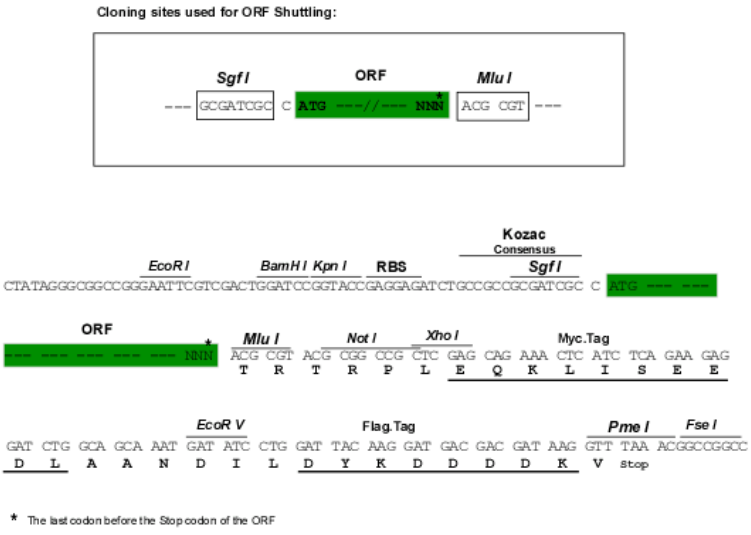
MGLEKLHPFDAGKWGKVINFLKEEKLLSDSMLVEAREASEEDLLVVHTRRYLNELKRKVLRPLRTQTGGT
IMAGKLAVERGWAINVGGGFHHCSSDRGGGFCAYADITLAIKFLFERVEGISRATIIDLDAHQGNGHERD
FMDDKRVYIMDVYNRHIYPGDRFAKQAIRRKVELEWGTEDDEYLDKVERNIKKSLQEHLPDVVVYNAGTD
ILEGDRLGGLSISPAGIVKRDELVFRMVRGRRVPILMVTSGGYQKRTARIIADSILNLFGLGLIGPESPS
VSAQNSDTPLLPPAVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8050_c10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001136041

ORF Size: 888 bp

OTI Disclaimer: 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: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

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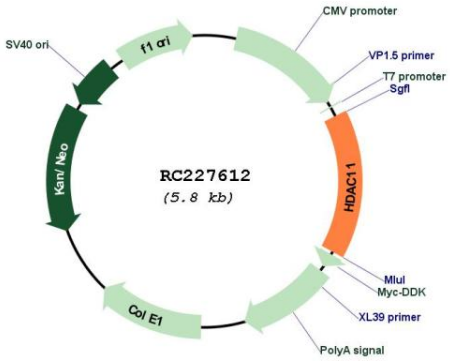
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_001136041.3
RefSeq ORF:	891 bp
Locus ID:	79885
UniProt ID:	Q96DB2
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	32.9 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]

Product images:



Circular map for RC227612

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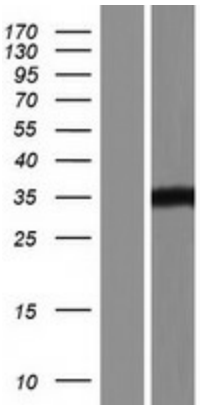

Western blot validation of overexpression lysate (Cat# [LY427788]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227612 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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