

Product datasheet for **RR205685**

Hdac3 (NM_053448) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac3 (NM_053448) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hdac3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205685 representing NM_053448 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAGACCGTGGCGTATTCTACGACCCCGATGTGGCAACTTCCACTACGGAGCTGGACACCCGA
TGAACCCCATCGCCTGGCATTGACTCATAGCCTAGTCCTGCATTATGGTCTCTATAAGAAGATGATCGT
CTTCAAGCCTTACCAGGCCTCCAGCATGACATGTCCGCTTCCATTCTGAGGACTACATTGACTTCCTG
CAGAGAGTCAGCCCCACCAATATGCAGGGTTTACCAAGAGCCTTAATGCCTTCAACGTGGGTGAGGACT
GCCCTGTGTTCCCGGGCTCTTCGAGTTCTGCTCCCGCTATACAGGCGCATCTCTGCAAGGGCAACACA
GCTAAACAATAAGATCTGTGATATTGCCATCAACTGGGCTGGTGGTCTACATCATGCCAAGAAGTTTGAG
GCCTCTGGCTTCTGCTATGTCAATGACATAGTAATTGGTATCCTGGAGCTGCTCAAGTACCACCCTCGGG
TGCTGTACATTGATATTGACATCCACCATGGTACGGGGTTCAGGAAGCCTTCTACCTCACTGACCGGT
CATGACTGTGCCTTCCACAAATATGGAATTACTTCTTCTGGAACAGGTGATATGTATGAAGTTGGA
GCAGAGAGTGGCCGCTACTATTGTCTCAATGTGCCCTTACGGGATGGCATTGATGACCAGAGTTACAAGC
ACCTTTTCCAGCCGGTCATCAGCCAGGTGGTGGACTTCTATCAGCCGANCTGCATCGTGTGCGAGTGTGG
CGCTGACTCCCTGGGCTGTGATCGATTAGGCTGCTTCAATCTCAGCATTGAGGACATGGGAATGTGTT
GAATATGTCAAGAGTTTCAATATCCCTCTCCTGGTGTGTTGAGGAGTGGTGGTTACACCGTCCGAAATGTTG
CCCGGTGCTGGACATATGAAACATCTCTGCTGGTGAAGAGGCCATTAGTGAGGAACTTCCCTATAGTGA
ATACTTCGAGTACTTTGCCCCAGATTTACGCTCCATCCAGATGTCAGCACCCGCATCGAGAATCAGAAC
TCACGCCAGTATCTAGACCAGATCCGCCAGACCATCTTTGAAAATTGAAGATGCTGAACCATGCACCCA
GTGTCCAGATTCATGATGTTCCAGCAGATCTCCTGACCTATGACAGGACTGACGAGGCCGATGCTGAAGA
GAGGGTCTCCTGAGGAGAATACAGCAGGCCAGAAGCACCAATGAATTCTATGATGGAGACCATGACAA
GACAAGGAAAGCGATGTGGAGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR205685 representing NM_053448
Red=Cloning site Green=Tags(s)

MAKTVAIFYDPDVGNFHYGAGHPMKPHRLALTHSLVLHYGLYKKMIVFKPYQASQHDMCRFHSEDIIDFL
 QRVSPNTMQGFTKSLNAFNVDGDCPVFPGLFEFCSTRYTASLQGATQLNKKICDIAINWAGGLHHAKKFE
 ASGFICYNDIVIGILELLKYHPRVLYIDIDIHHGDGVQEAFFYL TDRVMTVSFHKYGNFFPGTGDMYEVG
 AESGRYCLNVPLRDGIDDQSYKHLFQPVISQVDFYQPCIVLQCGADSLGCDRLGCFNLSIRGHGECV
 EYKSFNIPLLVLGGGGYTVRNVARCWYETSLLVVEEAISEELPYSEYFEYFAPDFTLHPDVSTRIENQN
 SRQYLDQIRQTFENLKMNLNAPSQIHDVPADLLTYDRTDEADAERGPENYSRPEAPNEFYDGDHDN
 DKESDVEI

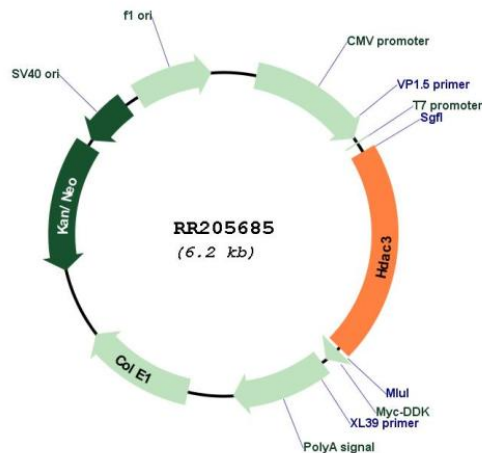
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_053448
ORF Size:	1284 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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).
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:	NM_053448.1 , NP_445900.1
RefSeq Size:	1799 bp
RefSeq ORF:	1287 bp
Locus ID:	84578
UniProt ID:	Q6P6W3
Cytogenetics:	18p11
MW:	48.8 kDa
Gene Summary:	mouse homolog plays an important role in regulating cell cycle progression [RGD, Feb 2006]