

Product datasheet for **RR217483**

Hdac5 (NM_053450) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hdac5 (NM_053450) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hdac5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217483 representing NM_053450
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAACTCTCCCAACGAGTCGGATGGCATGTGAGCCGGGAACCATCCTTGAAATCTTGCCACGGACTC
 CTCTGCACAGCATCCCTGTGGCAGTGGAGGTGAAGCCGGTCTGCCAGCAGCCATGCCAGCTCCATGGG
 AGGTGGAGGTGGAGGTAGCCCCAGCCCTGTGGAGCTTCGGGGGGCTCTGGCAGGCCCATGGACCCCGC
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 TGTTCGCGAGTTTCAGAAGCAGCACGACCACCTGACGCGGCAGCATGAAGTCCAGCTGCAGAAGCACCT
 CAAGCAGCAGCAGGAGATGCTGGCGGCTAAGAGGCAGCAGGAGCTGGAGCAGCAGCGGCAGCGCAGCAG
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 TCTTTGGACCAGAGTTCCCTCCCAGAGCGGCCCTCCTGGGACGCTCCCTCTACAAATTGCCTTTGC
 TTGGGCCCTATGACAGCCGTGATGACTTCCCCTCCGTAACCGGCTCGGAACCCAACTTAAAAGTACG
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ACCATGCCCCGGGAAGGTTCTACAGAGAGCGAGAGCACCCAGGAAGATCTAGAAGAGGAAGAGGATGAGG
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217483 representing NM_053450
 Red=Cloning site Green=Tags(s)

MNSPNSDGMMSGREPSLEILPRTPLHSIPVAVEVLPVPAAMPSSMGGGGGSPSPVELRGALAGPMDPA
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 QRQEELEQRLEQQLILRNKEKSKESIASTEVKLRLQEFLLSKSKEPTPGGLNHSPLQHPKCWGAHHA
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 YQAPLSLATVPHQALGRTQSSPAAPGSMKSPDHTPTVVKHLFTTG VVYDTFMLKHQCMGNTHVHPEHAG
 RIQSIWSRLQETGLLSK CERIRGRKATLDEIQT VHSEYHTLLYGT SPLNRQKLD SKLLGPISQMYAML
 PCGGIGVSDTVWNEMHSSAVRMAVGCLVELAFKVAAGELKNGFAIIRPPGHAAEESTAMGFCFFNSVA
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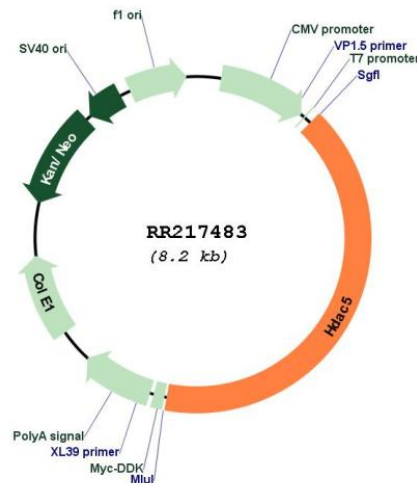
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053450

ORF Size: 3339 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).
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:	<u>NM_053450.1, NP_445902.1</u>
RefSeq Size:	3754 bp
RefSeq ORF:	3342 bp
Locus ID:	84580
Cytogenetics:	10q32.1
MW:	121.1 kDa
Gene Summary:	mouse homolog is involved in mediating nuclear receptor repression [RGD, Feb 2006]