

## Product datasheet for RN217483

### Hdac5 (NM\_053450) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac5 (NM_053450) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hdac5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217483 representing NM_053450 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAACTCTCCCAACGAGTCGGATGGCATGTGAGCCGGGAACCATCCTTGAAATCTTGCCACGGACTC  
CTCTGCACAGCATCCCTGTGGCAGTGGAGGTGAAGCCGGTCTGCCAGCAGCCATGCCAGCTCCATGGG  
AGGTGGAGGTGGAGGTAGCCCCAGCCCTGTGGAGCTTCGGGGGGCTCTGGCAGGCCCATGGACCCCGC  
CTTCGGGAGCAGCAACTGCAGCAAGAGCTCCTGGTGCTCAAGCAGCAGCAGCAGCTGCAAAAGCAGCTCC  
TGTTTGCCGAGTTTCAGAAGCAGCAGCACACCTGACGCGGCAGCATGAAGTCCAGCTGCAAGAACCT  
CAAGCAGCAGCAGGAGATGCTGGCGGCTAAGAGGCAGCAGGAGCTGGAGCAGCAGCGGCAGCGCAGCAG  
CAGCGGCAAGAGGAGCTAGAGAAACAGCGGCTGGAGCAGCAGCTGCTTATTCTACGAAACAAGGAGAAGA  
GCAAAGAGAGTGCATCGCCAGCACCGAGGTAAGCTGAGGCTCCAGGAATTCCTGTTGTCCAAGTCAA  
GGAGCCCCACACCGGGCCCTCAACCATCCCTCCCACAGCACCCCAAATGCTGGGAGGCCATCATGCT  
TCTTTGGACCAGAGTTCCCTCCCAGAGCGGCCCTCCTGGGACGCTCCCTCTACAAATTGCCTTTGC  
TTGGGCCCTATGACAGCCGTGATGACTTCCCTCCGTAACCGGCTCGGAACCCAACTAAAAGTACG  
TTCAAGGCTAAAACAGAAGGTAGCTGAGAGAAGAAGCAGTCCCCTCCTGCGTCGAAAGGATGGCACTGTT  
ATTAGTACTTTTAAAGAGAGCAGTCGAGATCACAGGCACAGGGCTGGGGTGTGTCGTCCTGTGTAACA  
GTGCGCCTGGCTCTGGCCCCAGCTCTCCCAACAGTTCACACAGCACCATCGCTGAGAACGGCTTTACTGG  
CTCAGTCCCCAACATCCCCACTGAGATGCTCCCCAGCACCGGGCCCTCCCTCTGGACAGTTCCCCAAC  
CAGTTCAGCCTCTACAGTCTCCTTCTGCTAACATCTCCCTAGGGCTGCAGGCCACTGCTACTGTTA  
CCAACCTCGCACCTACCGCCTCCCCGAAGCTGTGACACAGCAGGAGGCTGAGAGGCAGGCCCTTCAGTC  
CCTGCGGCAGGGCAGCACACTGACCGGCAAGTTCATGAGCACATCCTCCATCCCTGGCTGCCTGCTGGGA  
GTGGCCCTGGAGGGCAGACAGAGCCCCATGGGCAGCTTCCCTGCTGCAGCAGTTCCTGCTGCTGGAGC  
AGGCCCGCAACAGAGCACGCTCATAGCGGTGCCACTCCATGGGCAGTCCCCTGCTGACGGGTGAACG  
TGTGGCCACCAGCATGAGGACAGTGGGCAAGCTCCCAAGGCACCGACCTCTGAGCCGTACTCAGTCTCG  
CCCCTGCCGAGAGTCCCAGGCCCTGCAGCAGCTGGTTATGCAGCAGCAGCACAGCAGTTCCTAGAGA  
AACAGAAGCAGCAGCAGATGCAGCTGGGCAAGATCCTTACCAAACTGGGAGCTGTCAAGGCAGCCAC  
CACCCACCCTGAAGAGACAGAGGAGGAGCTGACGGAACAGCAGGAGGCCCTTGTGGGGAGGGGCCCTG



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ACCATGCCCCGGGAAGGTTCTACAGAGAGCGAGAGCACCCAGGAAGATCTAGAAGAGGAAGAGGATGAGG  
 AGGAGGACGAGGAGGACTGCATTCAAGGATGAGGATGGCGAGAGTGGTCCTGATGAGGGCGCAGA  
 CTTGGAGGAGTCCAGTGTGTTACAAAAAGTTGTTCCGAGATGCCAGCAGTTACAGCCCTCCAGGTA  
 TACCAGGCACCCCTCAGCCTGGCCACTGTGCCTCATCAGGCCCTGGGCCGACCCAGTCTCACCTGCTG  
 CTCCTGGGAGCATGAAGAGCCCCACAGACCACCCCACTGTGGTGAAGCACCTCTTACCACAGGTGTGGT  
 CTATGACACGTTTCATGCTGAAGCATCAGTGTATGTGCGGAAACACACATGTGCACCCAGGACGCGCGG  
 CGCATCCAGAGCATCTGGTCCCGGCTGCAGGAACTGGTCTGCTCAGCAAGTGTGAGCGGATCCGGGGTC  
 GTAAAGCCACACTGGATGAAATCCAGACCGTGCACCTCTGAGTACCACACCCTGCTCTATGGGACCAGTCC  
 CCTTAACCGCGAGAAGCTGGACAGTAAGAAGCTGCTTGGCCCCATCAGCCAGAAGATGTACGCCATGCTG  
 CCTTGTGGGGGATTGGGGTGGACAGTGACACTGTGTGGAATGAGATGCACTCCTCTAGTGCCGTGCGAA  
 TGGCAGTGGGCTGCCTGGTGGAGCTGGCCTTCAAGGTGGCTGCAGGAGAGCTCAAGAATGGATTTGCCAT  
 CATCCGACCCCCAGGACATCATGCTGAGGAGTCCACAGCCATGGGATTCTGCTTCTTCAACTCCGTAGCC  
 ATCACAGTAACTCCTGCAGCAGAAGCTGAGCGTGGCAAGTCTCATCGTGGACTGGGACATTCACC  
 ACGGCAATGGCACCCAGCAAGCATTTTACGATGACCCCTCCGTGCTCTACATCTTTGCATCGCTACGA  
 CAATGGGAACTTCTTTCCAGGCTCCGGGGCTCCTGAAGAGTTGGTGGAGGGCCAGGTGTGGGGTACAAC  
 GTAAATGTGGCGTGGACAGGAGGTGTGGATCCCCCATTTGGAGATGTGGAATACCTGACAGCCTTACGGA  
 CAGTAGTGATGCCATTGCCACAGATTCTCACCCGACGTCGTTCTAGTCTCCGCTGGGTTTGATGCTGT  
 TGAAGGACATCTGTCTCCACTGGGTGGCTATTCTGTCAACCAGGATGTTTTGGCCACTTGACCAGGCGAG  
 CTCATGACACTGGCAGGGGGCCGGTGGTGTGGCCCTGGAGGGAGGTCATGACTTGACCCCATCTGTG  
 ATGCTTCTGAGGCTGTGTCTCGGCTCTGCTCAGCGTGGAGCTGCAGCCCTTGGATGAAGCAGTCTTGCA  
 GCAAAAGCCCAGCGTCAATGCAGTTGCCACACTAGAGAAAGTATCGAGATCCAGAGCAAACTGGAGC  
 TGTGTACAGAGGTTTCCACTGGTCTGGGCTGCTCGCTGCGGGAGGCTCAGACGGGTGAGAAAGAGGAGG  
 CCGAGACTGTGAGCGCCATGGCCCTGCTTCCATGGGGGCTGAGCAGGCCAGGCTGCTGCCACTCAAGA  
 GCACAGCCCCCGCCAGCCGAGGAGCCATGGAGCAGGAGCCTGCCCTGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053450
- Insert Size:** 3342 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_053450.1](#), [NP\\_445902.1](#)  
RefSeq Size: 3754 bp  
RefSeq ORF: 3342 bp  
Locus ID: 84580  
Cytogenetics: 10q32.1  
Gene Summary: mouse homolog is involved in mediating nuclear receptor repression [RGD, Feb 2006]