

Product datasheet for RN217458

Hdac4 (NM_053449) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdac4 (NM_053449) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hdac4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217458 representing NM_053449 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCAGGAGATCTGCC
GCCCGGATCGCC

ATGAGCTCCCAAAGCCATCCAGATGGACTTTCTGGCCGAGACCAGCCTGTGGAGCTGCTGAATCCTGCC
GCGTGAACCACATGCCAGCACGGTGGACGTGGCTACAGCGCTGCCTCTGCAGGTGGCCCTGCAGCAGT
ACCCATGGACCTGCGCTTGGACCACAGTTCTCACTGCCCTTGGAACTGCACTGCGGGAGCAGCACTG
CAGCAGGAACTCCTAGCACTGAAGCAGAAGCAGCAGATCCAGCGCAGATCCTCATTGCAGAGTTCCAGC
GTCAGCATGAGCAGTTGTCCCGACAGCATGAGGCACAGCTGCATGAACATATCAAGCAGCAGCAGGAGAT
GCTGGCCATGAAGCACCAGCAGGAGCTGCTGGAGCACCAGCGGAACTGGAGCGGCACCAGCAAGAGCAG
GAGCTGGAGAAGCAGCACCCTGAGCAGAAGCTGCAGCAGCTCAAGAACAAGGAGAAGGGCAAGAGAGTG
CTGTGGCAGCACAGAGGTGAAGATGAAGCTGCAGGAGTTTGTCTCAACAAGAAGAAGGCTCTGGCCCA
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GACCAGAGCTCTCACCCAGAGTGGGGTGTGAGCCTCTACAACCACCTGTCTTGGGAATGTACGACG
CCAAAGATGACTTCCCTCTTAGGAAAACAGCTTCTGAACCTAACCTGAAATTACGGTCAAGGCTTAAGCA
GAAAGTAGCTGAGAGACGGAGCAGCCCTGCTGCGCAGGAAAGATGGCCCTGTGGCCACTGCTCTAAAA
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GGCTTGTCTCCCAGCCCTCCAGCAGCGAATCTCCTTGTTCCTGGGACCCACCTCACCCATACCTGAG
CACCTCGCCCTGGAGCGGGACGGTGGAGCAGCTCACACCCCTCCTGCAGCAGATGGTCTGCTGGAG
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CTCGGCAGCCTGAGAGCCACCCGGAGGAGCAGAGGAGGAGCTCCGTGAACACCAGGCCCTTGTGGATGA
GCCCTACCTAGATCGGCTCCCTGGGCAGAAGGAGCCCTCTTAGCTGGTGTGAGGTGAAGCAGGAGGCC



ATCGAGAGTGAGGAGGAAGAAGTAGAGGCCACTCGAGAGGCGGAACCCAGCCAGCGCCAGCCACTGAAC
 AGGAGCTTCTCTTTAGACAGCAAGCTCTTCTGCTGGAGCAGCAGAGGATCCACCAGTTAAGGAACTACCA
 GGCATCTATGGAGGCTGCTGGCATCCCTGTGTCATTTGGCAGCCACAGACCTCTGTCTCGCGCACAGTCC
 TCCCCAGCATCTGCCACCTTCCCATGTGAGTCCAGGAGCCCCCACCACAAAGGTTACCACAGGCC
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 TGGGAGGATCCAGAGCATCTGGTCCCGCTGCAGGAGACTGGCCTCCGTGGCAAGTGTAGTGCATCCGC
 GGACGCAAGGCCACACTGGAAGAGCTGCAGACAGTGCACCTCGGAGGCCACACACTCCTCTATGGCACA
 ACCCTCTCAACAGACAGAACTGGACAGCTCGCTGACCTCCGTGTTTGTAGGCTTCTTGTGGTGGTGT
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 GACACCATGCCGAGGAGAGTACACCATGGGTTTCTGCTACTTTAATTCTGTGGCAATTGCAGCCAACT
 TCTCCAGCAGAGGTTGAATGTGAGCAAGATCCTCATTGTAGACTGGGATGTGCACCATGGGAATGGGACC
 CAGCAGGCCTTACAATGACCCCAATGTTCTCTACATGTCCCTGCACCGCTATGACGATGGGAATTCT
 TCCCAGGAAGTGGAGCACCAGATGAGGTGGGCACAGGGCCAGGCTGGGTTTCAATGTCAACATGGCCTT
 CACGGGTGGCCTCGATCCCCCATGGGAGACGCCGAGTACCTGGCAGCCTTCAGAACGGTGGTTCATGCCA
 ATCGCAAATGAGTTTGGCCAGATGTGGTACTGGTGTCCCTCGGGCTTCGATGCTGTGGAGGGCCACCCCA
 CACCTCTTGGAGGTTACAATCTCTCTGCAAAATGTTTCGGGTACTTGACAAAACAGCTGATGGGCTTAGC
 TGGTGGCCGGATCGTGTGGCCCTGGAGGGAGGCCATGACCTGACAGCCATCTGTGATGCTTCTGAAGCA
 TGTGTTTCTGCTCTGCTGGGAAATGAGCTTGGCCTCTGCCAGAAAAGTTTACATCAGAGACCCAATG
 CCAATGCCGTCCACTCCATGGAGAAAGTATGGGCATCCACAGTGAAGTACTGGCGCTGCCTGCAGCGTTT
 GTCCCCACTGTGGGCACTCTCTGATTGAGGCGCAGAAGTGTGAGAATGAAGAAGCTGAGACAGTCAAC
 GCCATGGCCTCGCTGTGTAGGCGTCAAACCTGCTGAGAAGAGATCTGAGGAGGAGCCCATGGAGGAGG
 AGCCACCACTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053449
- Insert Size:** 3234 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_053449.1](#), [NP_445901.1](#)

RefSeq Size: 4015 bp

RefSeq ORF: 3234 bp

Locus ID: 363287

UniProt ID: Q99P99

Cytogenetics: 9q36

Gene Summary: human homolog is a component of the DNA damage response pathway and is also involved in repression of muscle differentiation [RGD, Feb 2006]