

Product datasheet for **RN205688**

Hdac8 (NM_001126373) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hdac8 (NM_001126373) Rat Untagged Clone
Tag: Tag Free
Symbol: Hdac8
Synonyms: HD8; RGD1562895
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205688 representing NM_001126373
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATACCAGAGGAACCCGCCAATAGTGGCATTGCTACCCCGGTTTATATTTACAGTCCCAGT
 ATGTCAGCATCTGCGATTCCCTTGTGAAGTCCCCAACGGGCCAGTATGGTTCCTCTGATCGAAGC
 ATATGCCCTGCATAAACAAATGAGGATAGTGAAGCCAAAGTGGCCTCCATGGAGGAGATGGCCACCTTC
 CAACTGATGCCTATCTCAACATCTCCAGAAGTCCAGCAAGAAGGGGATGAGGACCATCCAGACTCCA
 TAGAATATGGACTAGGTTATGACTGCCAGCCACAGAAGGGATATTTGACTATGCAGCAGCTATAGGAGG
 AGGTACAATCACAGCTGCCAGTGCCTGATTGACGGGAAGTGTAAAGTAGCCATTAAGTGGTCTGGAGGG
 TGGCATCATGCAAAGAAAGATGAAGCATCTGGTTTCTGTTATCTCAATGATGCTGTCTAGGAATATTAC
 GATTGCGACGAAATTTGACCGGATTCTCTATGTGGACTTGGATCTACACCATGGAGATGGTGTAGAAGA
 TGCCTTCAGTTTTACATCTAAAGTTATGACTGTGTCCTGCACAAGTTCTCTCCAGGATTTTTCCAGGA
 ACAGGTGACATGTCTGATGTTGGCCTGGGAAAGGACGGTACTACAGTGTCAATGTGCCATTCAGGATCC
 GCATCCAGGATGAGAAGTACTATCACATCTGTGAAAGTGTACTAAAGGAAGTATACCAGCCCTTCAATCC
 GAAGGCAGTGGTTCTACAGCTGGGAGCAGATACCATGCTGGAGATCCAATGTGCTCCTTTAACATGACA
 CCAAGTGGGAATTGGCAAGTGTCTGAAGTATGCTCCTTCAGTGGCAGTTGGCAACTCTGATTTTAGGAGGAG
 GAGGCTACAACCTTGCCAACACGGCTCGTTGCTGGACATACTTGACCGGGGTATCCTAGGGAAAACACT
 ATCCTCTGAGATCCCAGATCATGAGTTTTTACAGCATAATGGTCTGATTATGTGCTGGAATCACGCCA
 AGCTGCCGGCCAGACCGCAATGAGCCCCATCGAATCCAGCAAATCCTCAACTACATCAAAGGGAATCTGA
 AGCATGTGGTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001126373
Insert Size:	1134 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).
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_001126373.2</u> , <u>NP_001119845.2</u>
RefSeq Size:	2002 bp
RefSeq ORF:	1134 bp
Locus ID:	363481
UniProt ID:	<u>B1WC68</u>
Cytogenetics:	Xq22
Gene Summary:	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Also involved in the deacetylation of cohesin complex protein SMC3 regulating release of cohesin complexes from chromatin. May play a role in smooth muscle cell contractility (By similarity).[UniProtKB/Swiss-Prot Function]