

Specifications:

Gene:	<i>h</i> HDAC1
Accession:	NP_004955
Insert size:	1462bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

***h*HDAC1 cDNA Plasmid**

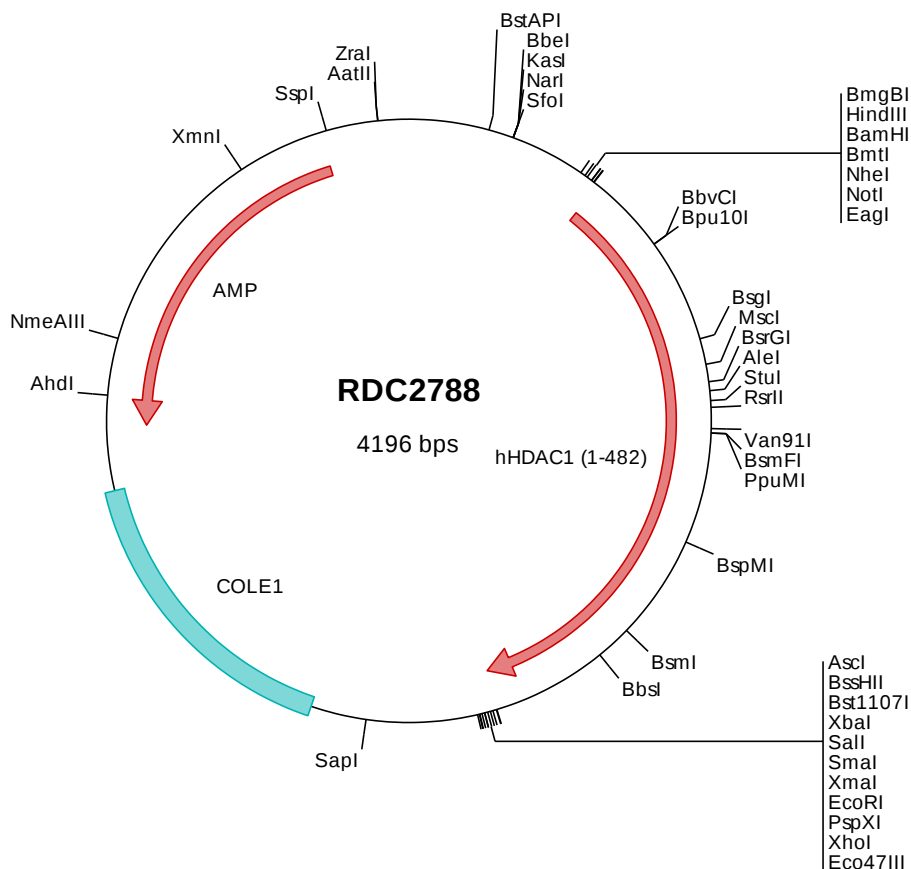
HDAC1 histone deacetylase 1

[*Homo sapiens* (human)]

Also known as: HD1; RPD3;
KDAC1; GON-10; RPD3L1

Summary:

HDAC1 belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. HDAC1 also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2788 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggtatccgata tcgctagcgc ggccgcacc atggcgaga cgcagggcac tcggaggaaa gtctgttact actacgacgg
501  ggatgttggga aattactatt atggacaagg ccacccaatg aagcctcacc gaatccgcat gactcataat ttgtctgctca actatgttct ctaccgaaaa
601  atggaatctc atgcgcctca caaagccaat gctgaggaga tgaccaagta ccacagcgat gactacatta aattcttggc ctccatccgt ccagataaca
701  ttctcggagta cagcaagcag atgcagagat tcaacgttgg tgaggactgt ccagtatctg atggcctgtt tgagtctctg cagttgtcta ctgggtgttc
801  tgttgcaagt gctgtgaac ttaataagca cgacacggac atcgctgtga attgggctgg gggcctgcac catgcaaa agtcagggc atctggtctc
901  tgttacgtca atgatctgt cttggccatc ctggaactgc taaaagtaca ccagagggtg ctgtacattg acattgat tcacctgg gacggcgtgg
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1801 aaagaccacg aggagaagaa agaagtcacc gaagaggaga aaaccaagga ggagaagcca gaagccaaag gggtcaagga ggaggtcaag gtggcctaaa
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2301 ataacgcgag aaagaacatg tgagcaaaaag gccagcaaaa ggccagggaac cgtaaaaagg ccgcgttctc ggcgtttttc cataggctcc gccccctga
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4101 gcacattttc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc acgaggccct ttcgtc

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> RDC2788 Translated Insert Sequence

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101  pvfdfglfetc qlstggsvas avklmkqtd iavnwagglh hakkseasgf cyvndivlai lellkyhqrv lyididihhg dgveefyitt drvmvtsfhk
201  ygeyfpgtgd lrdigagkgk yyavnyplrd giddeyaei fkpvmksvme mfgpsavvlq cgsdslsgdr lgcfnltikg hakcvefvks fnlpmlmlgg
301  ggytirnvar cwtyetaval dteipnelpy ndyfeyfgpd fklhispsnm tnqntneyle kikqrlfenl rmlphapgvq mqaipedaip eesgdededd
401  pdkrisicss dkriaceeef sdseeegg rknssnfkka krvtkedeke kdpeekkevt eeektkeekp eakgvkeevk la

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