

**Specifications:**

Gene:	<i>hHDAC6</i>
Accession:	NP_006035.2
Insert size:	3661bp
Concentration:	10µg at 0.2µg/µL

**hHDAC6 cDNA  
Plasmid**

**HDAC6 histone deacetylase 6**  
[ *Homo sapiens* (human) ]

**Also known as:** HD6; JM21;  
CPBHM; PPP1R90

**Summary:**

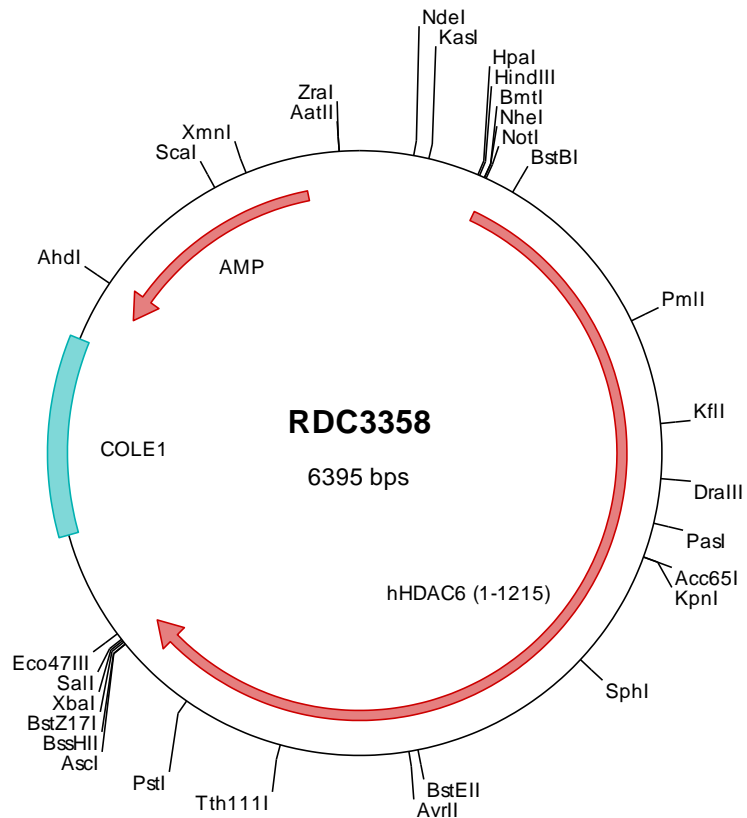
HDAC6 belongs to class II of the histone deacetylase/acuc/apha family. Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. HDAC6 contains an internal duplication of two catalytic domains which appear to function independently of each other. It possesses histone deacetylase activity and represses transcription.

**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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

