



# Human HDAC6 peptide (DAG-P0599)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha family. It contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription. [provided by RefSeq, Jul 2008]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the histone deacetylase family. HD type 2 subfamily. Contains 1 UBP-type zinc finger.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HDAC6 histone deacetylase 6 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	HDAC6
<b>Synonyms</b>	HDAC6; histone deacetylase 6; HD6; JM21; CPBHM;
<b>Entrez Gene ID</b>	<a href="#">10013</a>

<b>mRNA Refseq</b>	<a href="#">NM_006044.2</a>
<b>Protein Refseq</b>	<a href="#">NP_006035.2</a>
<b>UniProt ID</b>	Q9UBN7
<b>Chromosome Location</b>	Xp11.23
<b>Pathway</b>	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Cell cycle, organism-specific biosystem; Constitutive Signaling by NOTCH1 HD+PEST Domain Mutants, organism-specific biosystem; Constitutive Signaling by NOTCH1 PEST Domain Mutants, organism-specific biosystem; Disease, organism-specific biosystem; FBXW7 Mutants and NOTCH1 in Cancer, organism-specific biosystem; NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem; Neural Crest Differentiation, o
<b>Function</b>	Hsp90 protein binding; NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K18 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-