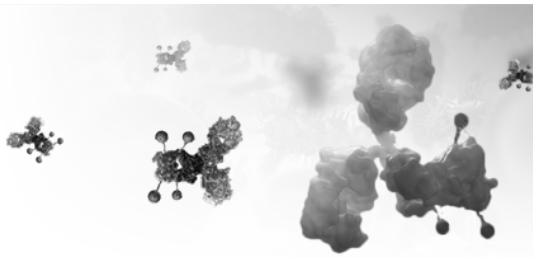

Human HDAC7 peptide (DAG-P0563)

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

PRODUCT INFORMATION

Antigen Description	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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the histone deacetylase family. HD type 2 subfamily.
Format	Liquid
Preservative	None
Storage	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

Gene Name	HDAC7 histone deacetylase 7 [Homo sapiens (human)]
Official Symbol	HDAC7
Synonyms	HDAC7; histone deacetylase 7; HD7A; HDAC7A; HD7; histone deacetylase 7A;
Entrez Gene ID	51564
mRNA Refseq	NM_001098416.2

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Protein Refseq	NP_001091886.1
UniProt ID	Q8WUI4
Chromosome Location	12q13.1
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; B Cell Receptor Signaling Pathway, organism-specific 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; HIF-1-alpha transcription factor network, organis
Function	14-3-3 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

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