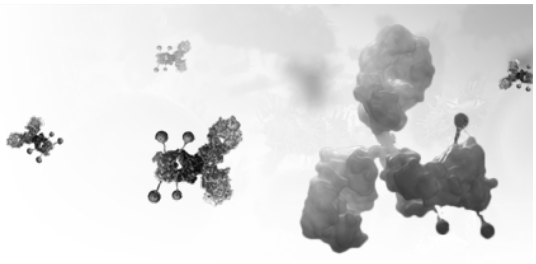

Human HDAC8 peptide (DAG-P0564)

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 belongs to class I of the histone deacetylase family. It catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]
Specificity	Weakly expressed in most tissues. Expressed at higher level in heart, brain, kidney and pancreas and also in liver, lung, placenta, prostate and kidney.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the histone deacetylase family. HD type 1 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	HDAC8 histone deacetylase 8 [Homo sapiens (human)]
Official Symbol	HDAC8
Synonyms	HDAC8; histone deacetylase 8; HD8; WTS; RPD3; CDA07; CDLS5; MRXS6; HDACL1; histone deacetylase-like 1; Wilson-Turner X-linked mental retardation syndrome; Wilson-Turner syndrome (mental retardation, X-linked, syndromic-6, with gynecomastia and obesity);

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Entrez Gene ID	55869
mRNA Refseq	NM_001166418.1
Protein Refseq	NP_001159890.1
UniProt ID	Q9BY41
Chromosome Location	Xq13
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, 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; Integrated Pancreatic
Function	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-K16 specific); histone

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