CD Creative Diagnostics®

HIST4H4 peptide (DAG-P1682)

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

PRODUCT INFORMATION

Antigen Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the histone H4 family.
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	HIST4H4 histone cluster 4, H4 [Homo sapiens (human)]
Official Symbol	HIST4H4
Synonyms	HIST4H4; histone cluster 4, H4; H4/p; histone H4; histone 4, H4;
Entrez Gene ID	121504
mRNA Refseq	NM_175054.2

Protein Refseq	NP_778224.1
UniProt ID	B2R4R0
Chromosome Location	12p12.3
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Amyloids, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Chromatin modifying enzymes, organism-specific biosystem; Chromatin organization, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Condensation of Prophas