

Recombinant Human H4-16 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. H4-16-5839H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HIST4H4 MS Standard C13 and N15-labeled recombinant protein (NP_778224) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element.
Molecular Mass	11.2 kDa
AA Sequence	MSGRGKGGKGLGKGGAKRHRKVLDRDNIQGITKPAIRRLARRGGVKRISGLIYEETRG VLKVFLENVIRDAVTYTEHAKRKTVTAMDVVYALKRQGRTLYGFGGTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

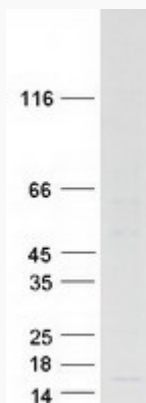
GENE INFORMATION

Gene Name	H4-16 H4 histone 16 [Homo sapiens (human)]
Official Symbol	H4-16
Synonyms	H4-16; H4 histone 16; H4/p; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4C11; H4C12; H4C13; H4C14; H4C15; HIST4H4; histone H4; histone 4, H4; histone cluster 4 H4
Gene ID	121504
mRNA Refseq	NM_175054
Protein Refseq	NP_778224
MIM	615069
UniProt ID	P62805

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SDS-PAGE

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