

Product datasheet for PH305064

H4-16 (NM_175054) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HIST4H4 MS Standard C13 and N15-labeled recombinant protein (NP_778224)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205064
Predicted MW:	11.2 kDa
Protein Sequence:	>RC205064 representing NM_175054 Red=Cloning site Green=Tags(s) MSGRGKGGKGLGKGGAKRHRKVLRDNIQGITKPAIRRLARRGGVKRISGLIYEETRGVLKVFLENVIRDA VTYTEHAKRKTVTAMDVVYALKRQGRPLYGFGG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_778224</u>
RefSeq Size:	412
RefSeq ORF:	309
Synonyms:	H4/p; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4C11; H4C12; H4C13; H4C14; H4C15; HIST4H4
Locus ID:	121504
UniProt ID:	<u>P62805</u> , <u>B2R4R0</u>



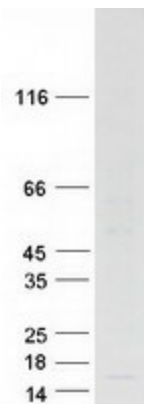
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Cytogenetics: 12p12.3

Summary: 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. [provided by RefSeq, Aug 2015]

Protein Pathways: Systemic lupus erythematosus

Product images:



Coomassie blue staining of purified HIST4H4 protein (Cat# [TP305064]). The protein was produced from HEK293T cells transfected with HIST4H4 cDNA clone (Cat# [RC205064]) using MegaTran 2.0 (Cat# [TT210002]).