Recombinant Full Length Human H1-2 Protein, C-Flag-tagged

Cat. No. H1-2-1183HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human H1-2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	21.2 kDa
AA Sequence	MSETAPAAPAAAPPAEKAPVKKKAAKKAGGTPRKASGPPVSELITKAVAASKERSG VSLAALKKALAAAG YDVEKNNSRIKLGLKSLVSKGTLVQTKGTGASGSFKLNKKAAS GEAKPKVKKAGGTKPKKPVGAAKKPKK AAGGATPKKSAKKTPKKAKKPAAATVTK KVAKSPKKAKVAKPKKAAKSAAKAVKPKAAKPKVVKPKKAAP

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

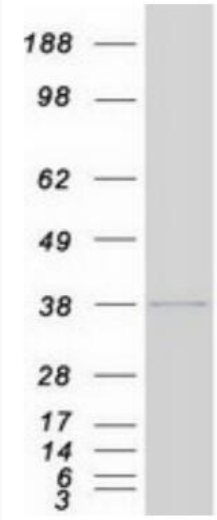
	KKKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	H1-2 H1.2 linker histone, cluster member [Homo sapiens (human)]
Official Symbol	H1-2
Synonyms	H1C; H1.2; H1F2; H1s-1; HIST1H1C
Gene ID	3006
mRNA Refseq	NM_005319.4
Protein Refseq	NP_005310.1
MIM	142710

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	P16403



Coomassie blue staining of purified HIST1H1C protein.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA