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Histone Cluster 3, H3 (HIST3H3) Protein



Image



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Quantity:	0.25 mg Histone Cluster 3, H3 (HIST3H3)		
Target:			
Origin:	Human		
Source:	Escherichia coli (E. coli)		
Protein Type:	Recombinant		
Application:	Antibody Production (AbP), Standard (STD)		
Product Details			
Characteristics:	 Recombinant human Histone H3.1t protein expressed in E. coli. Produced with end-sequenced ORF clone 		
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining		
Endotoxin Level:	<0.1 EU per 1 µg of the protein by the LAL		
Target Details			
Target:	Histone Cluster 3, H3 (HIST3H3)		
Alternative Name:	Histone h3.1t (HIST3H3 Products)		
Background:	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.		

Target Details

This gene is intronless and encodes a replication-dependent histone that is a member of the
histone H3 family. Transcripts from this gene lack polyA tails instead, they contain a
palindromic termination element. This gene is located separately from the other H3 genes that
are in the histone gene cluster on chromosome 6p22-p21.3.

Molecular Weight: 15.5 kDa

NCBI Accession: NP_003484

Application Details

Application Notes: Recombinant human proteins can be used for:

Native antigens for optimized antibody production

Positive controls in ELISA and other antibody assays

Restrictions: For Research Use only

Handling

Buffer: Lyophilized from a sterile solution containing 20 mM phosphate buffer, pH 7.4. Stable for at

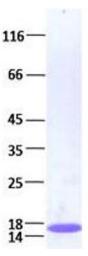
least 6 months from date of receipt under proper storage and handling conditions.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze

immediately. Only 2-3 freeze thaw cycles are recommended.

Images



Western Blotting

Image 1. Validation with Western Blot