

Rev03
Update: Dec,14,2021

DATASHEET

Histone H3, His, Human

Cat. No.: Z02527

Product Introduction

Species	Human				
Protein Construction	Expressed with additional DDDDK amino acids at the N-terminal. <table><tr><td>Poly-His</td><td>Histone H3 (Met1-Ala136) Accession # P68431</td></tr><tr><td>N-term</td><td>C-term</td></tr></table>	Poly-His	Histone H3 (Met1-Ala136) Accession # P68431	N-term	C-term
Poly-His	Histone H3 (Met1-Ala136) Accession # P68431				
N-term	C-term				
Purity	> 90% as analyzed by SDS-PAGE and Commassie blue staining				
Expression System	E. coli				
Theoretical Molecular Weight	16.8 kDa				
Formulation	Lyophilized from PBS, pH 7.4.				
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile water or buffer of choice.				
Storage & Stability	Upon receiving, this product remains stable for up to 24 months at -70°C or -20°C. Once rehydrated, aliquot and store at -20°C.				

Background

Target Background : Histone H3 is one of the five main histones involved in the structure of chromatin in eukaryotic cells. Featuring a main globular domain and a long N-terminal tail, H3 is involved with the structure of the nucleosomes of the "beads on a string" structure. Histone proteins are highly post-translationally modified however Histone H3 is the most extensively modified of the five histones. Histone H3 is an important protein in the emerging field of epigenetics, where its sequence variants and variable modification states are thought to play a role in the dynamic and long term regulation of genes.

Synonyms : Histone H3

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.