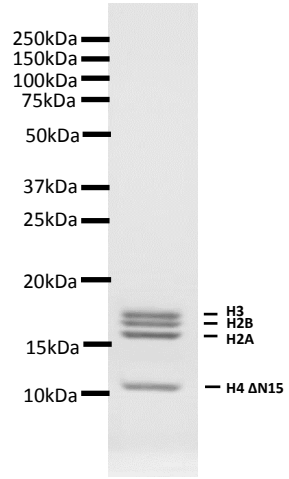
Histone Octamer (H4ΔN15), Human Recombinant

Catalog No. 16-8018
Lot No. 17255001
Pack Size 50 µg

Product Description:

Histone octamer assembled from recombinant human histones expressed in *E. coli* (two each of histones H2A, H2B, H3 and H4ΔN15. Accession numbers: H2A-P04908; H2B-O60814; H3.1-P68431; H4-P62805) with the amino acid sequence of H4 begining with lysine 16 (amino acids 1-15 are deleted).



Protein Gel Data: Coomassie stained PAGE gel of proteins in Histone Octamer (H4ΔN15), Human Recombinant (1 µg) demonstrates the purity of the histones in the preparation. Sizes of molecular weight markers and positions of the core histones (H2A, H2B, H3 and H4ΔN15) are indicated.

Formulation:

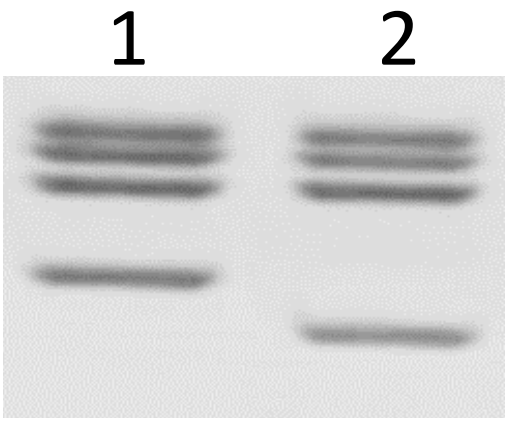
Purified recombinant histone octmaers (50 µg) in 104 µl 10 mM Tris-HCl pH 7.5, 1 mM EDTA, 2M NaCl, 2 mM DTT, & 20% glycerol. Concentration of histone octamer is 4.53µM. Histone octamer molecular weight = 106,037.4Da.

Storage and Stability:

Stable for six (6) months at -80°C from date of receipt. For best results, aliquot and avoid multiple freeze/thaws.

Application Notes:

Histone Octamer (H4ΔN15), Human Recombinant are highly purified and suitable for use as substrates in enzyme screening assays, structural studies, or effector protein binding experiments. The N-terminal deletion allows for the study of the role of the N-terminus in many aspects of chromatin biology.



Detailed Protein Gel Data: Coomassie stained PAGE gel of proteins in wildtype histone octamers (Lane 1) resolved alongside proteins in Histone Octamer (H4ΔN15), Human Recombinant (Lane 2). The faster migration of the H4 species observed in Lane 2 as compared to Lane 1 denotes the deletion of the amino acids from the N-terminus of the histone protein.