# Histone Octamer (full length), His-Tag Recombinant

Catalog: 52037
Lot: 220624

## Product Information

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| **Description:** | Human recombinant histone octamer consisting of 2 molecules each of histones H2A encompassing amino acids 2-130(end), H2B encompassing amino acids (2-126(end), H3 encompassing 2-136(end), and H4 encompassing amino acids 2-103(end). Each recombinant histone has an N-terminal His-tag (6xHis). The recombinant complex was affinity purified. |
| **Species** | Human |
| **Construct:** | H2A (His-2-130(end)) / H2B (His-2-126(end)) / H3 (His-2-136(end)) / H4 (His-2-103(end)) |
| **Concentration:** | 3.34 mg/ml |
| **Expression System:** | *E. coli* |
| **Purity:** | ≥90% |
| **Format:** | Aqueous buffer solution. |
| **Formulated In:** | 45 mM Tris-HCl, pH 7.4, 2 M NaCl, and 10% glycerol |
| **MW:** | H2A: 15 kDa; H2B: 15 kDa; H3: 16 kDa; and H4: 12 kDa |
| **Genbank Accession:** | H2A: NM_033445; H2B: NM_003528; H3: NM_003532; H4: NM_003548 |
| **Stability:** | At least 6 months at -80°C. |
| **Storage:** | -80°C |
| **Instructions for Use:** | Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles. |
| **Applications:** | Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling. |

## Quality Control Data

4-20% SDS-PAGE Coomassie Staining