# Histone H2b.4 Volvox Carteri Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Histone H2B.4, Recombinant Protein |
| **Full Product Name** | Recombinant Volvox carteri Histone H2B.4 |
| **Sequence** | APKTKEEKPA SEAVEPKAEA KPKAEKAPKK KEKKAPAKKS AKEPAAGDAA EGDKKKKKAK VAKSETYKLY IYKVLKQVHP DTGISSKAMS IMNSFINDIF EKVATEASKL SRYNKKPTVT SREIQTAVRL VLPGELAKHA VSEGTKAVTK FTSA |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 16,842 Da |
| **Sequence Positions** | 2-155, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for P16868 |
| **Species** | Volvox carteri (Green alga) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Histone H2B.4 recombinant protein** | MBS1189357 is a recombinant protein targeting Histone H2B.4. Also known as Recombinant Volvox carteri Histone H2B.4. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of Histone H2B.4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Histone H2B.4. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 122041 |
| **NCBI Accession #** | P16868.3 |
| **UniProt Primary Accession #** | P16868 |
| **NCBI Official Full Name** | Histone H2B.4 |
| **UniProt Protein Name** | Histone H2B.4 |
| **UniProt Synonym Protein Names** | H2B-IV |
| **Protein Family** | Histone |

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| **UniProt Comments for Histone H2B.4** | Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. |
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