Histone H4, Recombinant Protein

Cat *RP15386*

Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Solanum chacoense (Chaco potato)

Full Product Name
Recombinant Solanum chacoense Histone H4

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence
SGRGKGGKGL GKGGAKRHRK VLRDNIQGIT KPAIRRLARR GGVKRISGLI YEETRGVLKI FLENVIRDSV TYTEHARRKT VTAMDVVYAL KRQGRTLYGF GG

Sequence Positions
2-103, Full length protein

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
11,425 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Histone

NCBI Accession
Q6V9I2.3

NCBI GI
51315706

NCBI Official Full Name
Histone H4

UniProt Protein Name
Histone H4

UniProt Primary Accession
Q6V9I2

UniProt Comments
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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