

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)
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°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C 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.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY