

Datasheet

HIST1H4I (Human) Recombinant Protein (P01)

Catalog Number: H00008294-P01

Regulation Status: For research use only (RUO)

Product Description: Human HIST1H4I full-length ORF (AAH16336, 1 a.a. - 103 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSGRGKGGKGLGKGGAKRHRKVLRLDNIQGITKPAIRR
LARRGGVKRISGPIYEETRGVLKVFLENVIRDAVITYTEH
AKRKTVTAMDVVYALKRQGRTLYGFGG

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 37.07

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 8294

Gene Symbol: HIST1H4I

Gene Alias: H4/m, H4FM, H4M

Gene Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of

DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq]