

Full-Length

HIST1H4I (Human) Recombinant Protein (P02)

Catalog # H00008294-P02

Size 50 ug

Specification

Product Description	Human HIST1H4I full-length ORF (ADR82736.1, 1 a.a. - 103 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGRGKGGKGLGKGGAKRHRKVLRDNIQGITKPAIRRLARRGGVKRISGLIYEETRGVLKVFLENVIRDAVTYTEHAKRKTVTAMDVVYALKRQGRTLYGFGG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	11.4
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HIST1H4I

Entrez GeneID [8294](#)

GeneBank Accession# [HQ257982.1](#)

Protein Accession# [ADR82736.1](#)

Gene Name HIST1H4I

Gene Alias H4/m, H4FM, H4M

Gene Description histone cluster 1, H4i

Omim ID [602833](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations H4 histone family, member M|Histone 4 family, member M|histone 1, H4i|histone family member

Pathway

- [Systemic lupus erythematosus](#)