

Full-Length

HIST1H2AI (Human) Recombinant Protein (P01)

Catalog # H00008329-P01

Size 50 ug

Specification

Product Description	Human HIST1H2AI full-length ORF (ADR82801.1, 1 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGRGKQGGKARAKAKTRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYLAHVLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLKGVTIAQGGVLPNIQAVLLPKKTESHKAKGK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	14.3
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 — HIST1H2AI

Entrez GeneID [8329](#)

GeneBank Accession# [HQ258047.1](#)

Protein Accession# [ADR82801.1](#)

Gene Name HIST1H2AI

Gene Alias FLJ92027, H2A/c, H2AFC

Gene Description histone cluster 1, H2ai

Omim ID [602787](#)

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 H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq]

Other Designations H2A histone family, member C|OTTHUMP00000016183|histone 1, H2ai

Pathway

- [Systemic lupus erythematosus](#)