

Full-Length

HIST1H2AB (Human) Recombinant Protein (P01)

Catalog # H00008335-P01

Size 50 ug

Specification

Product Description	Human HIST1H2AB full-length ORF (AA166650.1, 1 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGRGKQGGKARAKAKTRSSRAGLQFPVGRVHRLLRKGNYSERVGAGAPVYLAHVLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLGRVTIAQGGVLPNIQAVLLPKKTESHKAKGK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	14.3
Interspecies Antigen Sequence	Mouse (100); Rat (99)
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 — HIST1H2AB

Entrez GeneID [8335](#)

GeneBank Accession# [BC166650.1](#)

Protein Accession# [AA166650.1](#)

Gene Name HIST1H2AB

Gene Alias H2A/m, H2AFM

Gene Description histone cluster 1, H2ab

Omim ID [602795](#)

Gene Ontology [Hyperlink](#)

Gene Summary Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H2A family. Transcripts from this gene lack poly A tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq]

Other Designations H2A histone family, member M|OTTHUMP00000016137|histone 1, H2ab

Pathway

- [Systemic lupus erythematosus](#)

Disease

- [Tobacco Use Disorder](#)