

Full-Length

HIST3H2A (Human) Recombinant Protein (P01)

Catalog # H00092815-P01

Size 50 ug

Specification

Product Description	Human HIST3H2A full-length ORF (BAG34871.1, 1 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGRGKQGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGNYSERVGAGAPVYLAADVLEYLTAEIL ELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLGRVTIAQGGVLPNIQAVLLPKKTESHKAKGK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	40.7
Interspecies Antigen Sequence	Mouse (100); Rat (93)
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 — HIST3H2A

Entrez GeneID [92815](#)

GeneBank Accession# [AK311930.1](#)

Protein Accession# [BAG34871.1](#)

Gene Name HIST3H2A

Gene Alias MGC3165

Gene Description histone cluster 3, H2a

Gene Ontology [Hyperlink](#)

Gene Summary Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 contain a palindromic termination element. [provided by RefSeq]

Other Designations OTTHUMP00000037948|histone 3, H2a|histone H2a

Pathway

- [Systemic lupus erythematosus](#)