

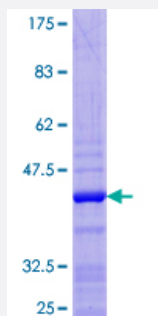
Full-Length

# HIST2H2AC (Human) Recombinant Protein (P01)

Catalog # H00008338-P01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human HIST2H2AC full-length ORF ( NP_003508.1, 1 a.a. - 129 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGRGKQGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYMAAVLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLKGVTIAQGGVLPNIQAVLLPKKTESHKAKSK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	40.4
Interspecies Antigen Sequence	Mouse (100)
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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 — HIST2H2AC

Entrez GeneID [8338](#)

GeneBank Accession# [NM\\_003517.2](#)

Protein Accession# [NP\\_003508.1](#)

Gene Name HIST2H2AC

Gene Alias H2A, H2A-GL101, H2A/q, H2AFQ, MGC74460

Gene Description histone cluster 2, H2ac

Omim ID [602797](#)

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. [provided by RefSeq]

**Other Designations** H2A histone family, member Q|histone 2, H2ac|histone Ila

## Pathway

- [Systemic lupus erythematosus](#)