

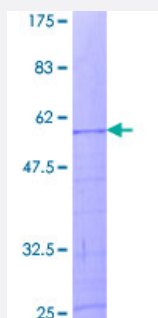
Full-Length

HIST1H1A (Human) Recombinant Protein (P01)

Catalog # H00003024-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HIST1H1A full-length ORF (NP_005316.1, 1 a.a. - 215 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSETVPPAPAASAAPEKPLAGKKAKKPAKAAAASKKKPAGPSVSELIVQAASSSKERGGVSLA
ALKKALAAAGYDVEKNNSRIKLGKSLVSKGTLVQTKGTGASGSFKLNKKASSVETKPGASKVAT
KTKATGASKKLKKATGASKKSVKTPKKAKKPAATRKSNNPKPKTVKPKKVAKSPAKAKAVKP
KAAKARVTKPKTAKPKKAAPKKK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

48.2

Preparation Method

[in vitro wheat germ expression system](#)

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 — HIST1H1A

Entrez GeneID [3024](#)

GeneBank Accession# [NM_005325.2](#)

Protein Accession# [NP_005316.1](#)

Gene Name HIST1H1A

Gene Alias H1.1, H1F1, HIST1, MGC126642, MGC138345

Gene Description histone cluster 1, H1a

Omim ID [142709](#)

Gene Ontology [Hyperlink](#)

Gene Summary Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form a nucleosome 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 H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6. [provided by RefSeq]

Other Designations H1 histone family, member 1|OTTHUMP00000018038|histone 1, H1a