Recombinant Human HIST1H2AK Protein, GST-tagged

Cat. No. HIST1H2AK-4782H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST1H2AK full-length ORF (NP_003501.1, 1 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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
Molecular Mass	40.5 kDa
AA Sequence	MSGRGKQGGKARAKAKTRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYLAA VLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLLGKVTIAQGGVLPNIQA VLLPKKTESHHKAKGK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HIST1H2AK histone cluster 1 H2A family member k [Homo sapiens (human)]
Official Symbol	HIST1H2AK
Synonyms	HIST1H2AK; histone cluster 1 H2A family member k; H2A/d; H2AFD; histone H2A type 1; H2A histone family, member D; H2A.1; histone 1, H2ak; histone H2A type 1-J; histone cluster 1, H2ak
Gene ID	8330
mRNA Refseq	NM_003510
Protein Refseq	NP_003501
MIM	602788
UniProt ID	P0C0S8

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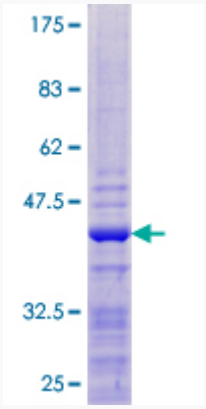
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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