

Recombinant Human HIST1H2AB Protein, GST-tagged

Cat. No. HIST1H2AB-4777H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST1H2AB full-length ORF (AA166650.1, 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. 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 polyA 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
Molecular Mass	14.3 kDa
AA Sequence	MSGRGKQGGKARAKAKTRSSRAGLQFPVGRVHRLLRKGNYSERVGAGAPVYLAA VLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLGRVTIAQGGVLPNIQA VLLPKKTESHKAKGK
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	HIST1H2AB histone cluster 1 H2A family member b [Homo sapiens (human)]
Official Symbol	HIST1H2AB
Synonyms	HIST1H2AB; histone cluster 1 H2A family member b; H2A/m; H2AFM; histone H2A type 1-B/E; H2A histone family, member M; histone 1, H2ab; histone H2A/m; histone cluster 1, H2ab
Gene ID	8335
mRNA Refseq	NM_003513
Protein Refseq	NP_003504
MIM	602795
UniProt ID	P04908

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