

Recombinant Human HIST2H3A Protein, GST-tagged

Cat. No. HIST2H3A-4812H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST2H3A full-length ORF (NP_001005464.1, 1 a.a. - 136 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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy. [provided by RefSeq]
Molecular Mass	41.8 kDa
AA Sequence	MARTKQTARKSTGGKAPRKQLATKAARKSAPATGGVKKPHRYRPGTVALREIRRYQ KSTELLIRKLFPQRLVREIAQDFKTDLRFQSSAVMALQEASEAYLVGLFEDTNLCAIH AKRVTIMPKDIQLARRIRGERA

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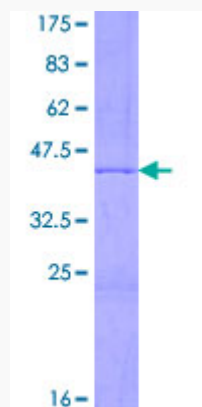
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HIST2H3A histone cluster 2, H3a [Homo sapiens]
Official Symbol	HIST2H3A
Synonyms	HIST2H3A; histone cluster 2, H3a; histone 2, H3a; histone H3.2; H3/n; H3/o; histone H3/m; histone H3/o; HIST2H3C; HIST2H3D;
Gene ID	333932
mRNA Refseq	NM_001005464
Protein Refseq	NP_001005464
UniProt ID	Q71DI3

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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