Recombinant Human HIST2H2AA4, GST-tagged

Cat. No. HIST2H2AA4-13800H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST2H2AA4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-130a.a.
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 a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the telomeric copy.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

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GENE INFORMATION

Gene Name	HIST2H2AA4 histone cluster 2, H2aa4 [Homo sapiens]
Official Symbol	HIST2H2AA4
Synonyms	histone cluster 2, H2aa4; 29668; Ensembl:ENSG00000203812; histone H2A type 2-A;histone H2A/r;histone 2, H2aa4; H2A/R
Gene ID	723790
mRNA Refseq	NM_001040874.1
Protein Refseq	NP_001035807.1
UniProt ID	Q6FI13
Chromosome Location	1q21.2
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Amyloids, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; Disease, organism-specific biosystem;
Function	DNA binding; protein heterodimerization activity;

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