Recombinant Full Length Human H2AFZ Protein, GST-tagged

Cat. No. H2AFZ-3406HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human H2AFZ full-length ORF (AAH18002, 1 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	128 amino acids
Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 encodes a replication-independent member of the histone H2A family that is distinct from other members of the family. Studies in mice have shown that this particular histone is required for embryonic development and indicate that lack of functional histone H2A leads to embryonic lethality. [provided by RefSeq
Molecular Mass	39.82 kDa
AA Sequence	MAGGKAGKDSGKAKTKAVSRSQRAGLQFPVGRIHRHLKSRTTSHGRVGATAAVYS AAILEYLTAEVLELAGNASKDLKVKRITPRHLQLAIRGDEELDSLIKATIAGGGVIPHIHK SLIGKKGQQKTV

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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	H2AFZ H2A histone family, member Z [Homo sapiens]
Official Symbol	H2AFZ
Synonyms	H2AFZ; H2A histone family, member Z; H2AZ; histone H2A.Z; H2A.Z; H2AZ histone; H2A.z; H2A/z; MGC117173;
Gene ID	3015
mRNA Refseq	NM_002106
Protein Refseq	NP_002097
MIM	142763
UniProt ID	P0C0S5

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