

Recombinant Full Length Human H1FOO Protein, GST-tagged

Cat. No. H1FOO-3396HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human H1FOO full-length ORF (AAH47943.1, 1 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	207 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. The protein encoded is a replication-independent histone that is a member of the histone H1 family. This gene contains introns, unlike most histone genes. The related mouse gene is expressed only in oocytes. [provided by RefSeq, Oct 2015]
Molecular Mass	47.4 kDa
AA Sequence	MAPATAPRRAGEAKGKGPKKPSEAKEDPPNVGKVKKAAKRPAAKVQKPPPKPGAAT EKARKQGGAAKDTRAQSGEARKVPPKPKDKAMRAPSSAGGLSRKAKAKGSRSSQG DAEAYRKTKAESKSSKPTASKVKNGAASPTKKKVAKAKAPKAGQGPNTKAAAPAK GSGSKVVAHLRSRKTEAPKGP RKAGLPIKASSSKVSSQRAEA

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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	H1FOO H1 histone family member O oocyte specific [Homo sapiens (human)]
Official Symbol	H1FOO
Synonyms	H1 Histone Family Member O, Oocyte Specific; Oocyte-Specific Linker Histone H1; Oocyte-Specific Histone H1; H1oo; Osh1; H1 Histone Family, Member O, Oocyte-Specific; Histone H1oo; H1.8; H1FOO; H1 histone family member O oocyte specific; histone H1oo; oocyte-specific histone H1; oocyte-specific linker histone H1
Gene ID	132243
mRNA Refseq	NM_001308262
Protein Refseq	NP_001295191
UniProt ID	Q8IZA3

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