

# Recombinant Full Length Human H1FOO Protein, GST-tagged

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

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Human H1FOO full-length ORF ( AAH47943.1, 1 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | In Vitro Cell Free System  |
| <b>ProteinLength</b>    | 207 amino acids  |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 47.4 kDa   |
| <b>AA Sequence</b>      | MAPATAPRRAGEAKGKGPKKPSEAKEDPPNVGKVKKAAKRPAAKVVQKPPPKPGAAT<br>EKARKQGGAAKDTRAQSGEARKVPPKPKDAMRAPSSAGGLSRKAKAKGSRSSQG<br>DAEAYRKTKAESKSSKPTASKVKNGAASPTKKKVVAKAKAPKAGQGPNTKAAAPAK<br>GSGSKVVAHLRSRKTEAPKGRKAGLPIKASSSKVSSQRAEA   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |  |
|-------------------------|--|
| <b>Applications</b>     | <p>Enzyme-linked Immunoabsorbent Assay</p> <p>Western Blot (Recombinant protein)</p> <p>Antibody Production</p> <p>Protein Array</p>   |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>          | Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.  |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.   |
| <b>GENE INFORMATION</b> |  |
| <b>Gene Name</b>        | H1FOO H1 histone family member O oocyte specific [ Homo sapiens (human) ]  |
| <b>Official Symbol</b>  | H1FOO  |
| <b>Synonyms</b>         | 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 |
| <b>Gene ID</b>          | 132243   |
| <b>mRNA Refseq</b>      | NM_001308262   |
| <b>Protein Refseq</b>   | NP_001295191   |
| <b>UniProt ID</b>       | Q8IZA3   |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA