

# Recombinant Human H1FOO cell lysate

**Cat. No.** H1FOO-2118HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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 member of the histone H1 family. This gene contains introns, unlike most histone genes. The protein encoded is a member of the histone H1 family. The related mouse gene is expressed only in oocytes. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## GENE INFORMATION

|                  |                                                                            |
|------------------|----------------------------------------------------------------------------|
| <b>Gene Name</b> | H1FOO?H1 histone family, member O, oocyte-specific [?Homo sapiens(human) ] |
|------------------|----------------------------------------------------------------------------|

 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>Official Symbol</b>     | H1FOO                                                                                                                                  |
| <b>Synonyms</b>            | H1FOO; H1 histone family, member O, oocyte-specific; osH1; histone H1oo; oocyte-specific histone H1; oocyte-specific linker histone H1 |
| <b>Gene ID</b>             | 132243                                                                                                                                 |
| <b>mRNA Refseq</b>         | NM_153833                                                                                                                              |
| <b>Protein Refseq</b>      | NP_722575                                                                                                                              |
| <b>UniProt ID</b>          | Q8IZA3                                                                                                                                 |
| <b>Chromosome Location</b> | 3q22.1                                                                                                                                 |
| <b>Function</b>            | nucleosomal DNA binding                                                                                                                |

 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