

# Recombinant Human Human Interferon Regulatory Factor 4

**Cat. No.** IRF4-142H    **Lot. No.** (See product label)

## SPECIFICATION

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>                    | Recombinant Human interferon regulatory factor 4 protein expressed in <i>E.coli</i> encodes 144-451 amino acids.                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>                             | Human                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>                              | E.coli                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Length</b>                      | 144-451 a.a.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>                         | IRF4 / MUM1 is expressed in the nuclei and cytoplasm of plasma cells and a small percentage of germinal center (GC) B cells mainly located in the "light zone". Its morphologic spectrum ranged from that of centrocyte to that of a plasmablast/plasma cell, and it displayed a phenotype (MUM1+/Bcl-6 /Ki67 ) different from that of most GC B cells (MUM1 /Bcl-6+/Ki67+) and mantle B cells (MUM1 /Bcl-6 /Ki67 ). |
| <b>Formulation</b>                         | Recombinant Human IRF-4 / MUM-1 protein at 100g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.                                                                                                                                                                                                                                                                                                           |
| <b>Application And Suggested Dilutions</b> | •ELISA •Inhibition Assays •Western Blotting.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Characterization</b>                    | IRF4 / MUM1 antibody reactive.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage &amp; Stability</b>             | Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.                                                                                                                                                                                                                                                                                                      |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | IRF4 interferon regulatory factor 4 [ Homo sapiens ]                                                                                                                                                |
| <b>Synonyms</b>            | IRF4; interferon regulatory factor 4; MUM1; LSIRF; Interferon regulatory factor 4; IRF-4; Lymphocyte-specific interferon regulatory factor; NF-EM5; Multiple myeloma oncogene 1; OTTHUMP00000017905 |
| <b>Gene ID</b>             | 3662                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_002460                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_002451                                                                                                                                                                                           |
| <b>MIM</b>                 | 601900                                                                                                                                                                                              |
| <b>UniProt ID</b>          | Q15306                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 6p25-p23                                                                                                                                                                                            |
| <b>Function</b>            | RNA polymerase II transcription factor activity; transcription activator activity; transcription factor activity; transcription factor binding                                                      |

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