



## Product Datasheet

<b>Product Name</b>	IRF4 Human Recombinant
<b>Cata No</b>	CB501129
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Interferon regulatory factor 4, IRF-4, Lymphocyte-specific interferon regulatory factor, LSIRF, NF-EM5, Multiple myeloma oncogene 1, IRF4, MUM1.

### Description

IRF4 is a transcriptional activator, belonging to the IRF family. It binds to the interferon- stimulated response element (ISRE) of the MHC Class I promoter (but is not induced by Interferons). IRF4 binds the immunoglobulin lambda light chain enhancer, together with Pu.1. It most likely plays a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells. 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 ). IRF4 Human Recombinant (aa 144-451) expressed in E.coli. IRF4 is antibody reactive.

The IRF4 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered clear solution.

### Formulation

IRF-4 at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

### Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

**Please prevent freeze-thaw cycles.**

### Applications

- ELISA
- Inhibition Assays
- Western Blotting