

# Recombinant Human interferon regulatory factor 1, His-tagged

Cat. No. IRF1-25H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human Interferon Regulatory Factor-1 produced in <i>E. Coli</i> is a single, non-glycosylated, polypeptide chain containing 134 amino acids (1-114) with a His Tag of 20 aa, and having a molecular mass of 15 kDa. The IRF-1 is purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	IRF1, Interferon regulatory factor 1, is a member of the interferon regulatory transcription factor (IRF) family which regulates gene expression critical to immune response, hematopoiesis and proliferation. IRF-1 is a transcriptional activator for IFN-A, IFN-B, and IFN-G stimulated genes. IRF1 is also a tumor suppressor transcription factor inducing apoptosis of tumorigenic cell lines.
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MPITRMRMRP WLEMQINSNQ IPGLIWINKE EMIFQIPWKHAAKHGWDINK DACLFRSWAI HTGRYKAGEK EPDPKTWKAN FRCAMNSLPD IEEVKDQSRN KGSSAVRVYR MLPP
<b>Physical Appearance</b>	Sterile Filtered colorless solution.
<b>Purity</b>	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Formulation</b>	1 mg/ml in 20mM Tris pH-8 and 10% glycerol.

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**Storage**

Liquid Interferon although stable at 10°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**GENE INFORMATION**
**Gene Name**

IRF1 interferon regulatory factor 1 [ Homo sapiens ]

**Synonyms**

IRF1; interferon regulatory factor 1; MAR; IRF-1; OTTHUMP00000198266; interferon regulatory factor-1

**Gene ID**

3659

**mRNA Refseq**

NM\_002198

**Protein Refseq**

NP\_002189

**MIM**

147575

**UniProt ID**

P10914

**Chromosome  
Location**

5q23-q31

**Function**

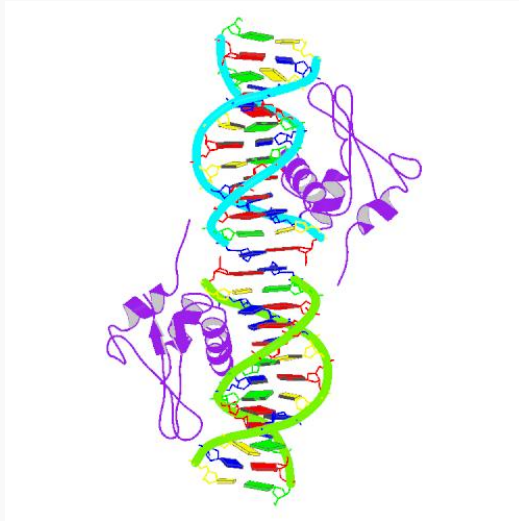
sequence-specific DNA binding; transcription factor activity

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