

Recombinant Human interferon regulatory factor 1, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPITRMRMRP WLEMQINSNQ IPGLIWINKE EMIFQIPWKHAAKHGWDINK DACLFRSWAI HTGRYKAGEK EPDPKTWKAN FRCAMNSLPD IEEVKDQSRN KGSSAVRVYR MLPP
Physical Appearance	Sterile Filtered colorless solution.
Purity	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Formulation	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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PDB rendering based
on 1if1.

