



## Interferon Regulatory Factor-1, His Tag, human recombinant (rHuIRF-1-His)

**Catalog No:** 94983  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** IRF-1, IRF1, MAR

### Background

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.

### Description

Interferon Regulatory Factor-1 human recombinant produced in *E. coli* 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. IRF-1 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

1 mg/ml in 20 mM Tris pH 8 and 10% glycerol.

### Stability

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.

### Purity

Greater than 90.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MPITRMRMRP WLEMQINSNQ IPGLIWINKE EMIFQIPWKH AAKHGWDINK DACLFRSWAI  
HTGRYKAGEK EPDPKTWKAN FRCAMNSLPD IEEVKDQSRN KGSSAVRVYR MLPP

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**

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