

## IRF 1 Human

**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. The IRF-1 is purified by proprietary chromatographic techniques.

**Catalog #:** CYP5-456

For research use only.

**Synonyms:** IRF-1, IRF1, MAR.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MPITRMRMRP WLEMQINSNQ  
IPGLIWINK EMIFQIPWKHA AKHGWDINK DACLFRSWAI HTGRYKAGEK EPDPKTKWKN  
FRCAMNSLPD IEEVKDQSRN KGSSAVRVYR MLPP.

**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.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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