

## IRF 2 Human

**Description:** Interferon Regulatory Factor-2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 133 amino acids (1-113) with a His Tag of 20 aa, and having a molecular mass of 15 kDa. The IRF2 is purified by proprietary chromatographic techniques.

**Catalog #:** CYP5-541

For research use only.

**Synonyms:** IRF-2, IRF2, MAR, DKFZp686F0244, Interferon regulatory factor 2.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MPVERMRMRP WLEEQINSNT  
IPGLKWLNKE KKIFQIPWMHAARHGWDVEK DAPLFRNWAI HTGKHQPGVD KPDPKTWKAN  
FRCAMNSLPD IEEVKDKSIKKGNNAFRVYR MLP.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

1 mg/ml in 20mM Tris pH-8, 1mM DTT and 10% Glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple 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:**

Interferon regulatory factor 2 is a member of the interferon regulatory transcription factor (IRF) family. IRF2 competitively inhibits the IRF1-mediated transcriptional activation of interferons alpha and beta, and presumably other genes that employ IRF1 for transcription activation. However, IRF2 also functions as a transcriptional activator of histone H4. IRF2 binds to the upstream regulatory region of type-1 IFN and IFN-inducible MHC class-1 genes (the interferon consensus sequence (ics) and represses those genes.

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