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## Recombinant human IRF1 protein

Catalog Number: IRF0702

### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

1-114aa

#### UniProt No.

P10914

#### **NCBI Accession No.**

NP 002189

## **Alternative Names**

Interferon regulatory factor-1, MAR, IRF1, Interferon regulatory factor 1, Interferon regulatory factor-1 Interferon regulatory factor 1, IRF 1, IRF-1, MAR1.

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

15 kDa (134aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

## **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

## Tag

His-Tag

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **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-alpha, IFN-beta, and IFN-gamma stimulated genes. IRF1 is also a tumor



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suppressor transcription factor inducing apoptosis of tumorigenic cell lines. Recombinant human IRF1 was expressed in E. coli and purified by using conventional chromatography techniques.

## **Amino acid Sequence**

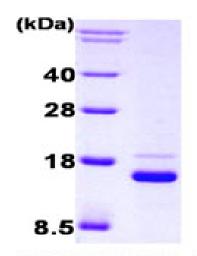
MGSSHHHHHH SSGLVPRGSH MPITRMRMRP WLEMQINSNQ IPGLIWINKE EMIFQIPWKH AAKHGWDINK DACLFRSWAI HTGRYKAGEK EPDPKTWKAN FRCAMNSLPD IEEVKDQSRN KGSSAVRVYR MLPP

#### **General References**

Hochhaus A., et al. (1997) Leukemia. 11(7):933-9. Liu J., et al. (2005) J Biol Chem. 280(26):24347-55

### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

