### **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-113aa

**UniProt No.** P14316

NCBI Accession No. NP\_002190

### **Alternative Names**

Interferon regulatory factor-2, Interferon regulatory factor 2, DKFZp686F0244, IRF2, IRF2, 1-113 aa His-tagged, IRF-2, Interferon regulatory factor-2 IRF 2.

### **PRODUCT SPECIFICATION**

### **Molecular Weight**

15 kDa (133aa) confirmed by MALDI-TOF

**Concentration** 1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

**Purity** > 95% 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

Interferon regulatory factor (IRF) 2 is a member of the interferon regulatory transcription factor family. IRF-2 is generally regarded as an oncoprotein. Structure of IRF1 and IRF2 are similar. However, its functions are different. IRF2 competitively inhibits the IRF1-mediated transcriptional activation of interferons alpha and beta,



and presumably other genes that employ IRF1 for transcription activation. Recombinant human IRF2 was expressed in E. coli and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

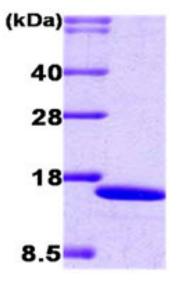
MGSSHHHHHH SSGLVPRGSH MPVERMRMRP WLEEQINSNT IPGLKWLNKE KKIFQIPWMH AARHGWDVEK DAPLFRNWAI HTGKHQPGVD KPDPKTWKAN FRCAMNSLPD IEEVKDKSIK KGNNAFRVYR MLP

### **General References**

Harada, H., et al. (1989) Cell. 58(4):729-739 Matsuyama T., et al. (1993) Cell 75(1):83-97

# DATA

### SDS-PAGE



15% SDS-PAGE (3ug)

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