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# Recombinant human IRF5 protein

Catalog Number: ATGP2617

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

176-240aa

#### UniProt No.

013568

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

NP 116032.1

#### **Alternative Names**

interferon regulatory factor 5 isoform b, SLEB10

### **PRODUCT SPECIFICATION**

### **Molecular Weight**

10.7 kDa (101aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

#### **Purity**

> 85% by SDS-PAGE

#### 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**

IRF5 is a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Multiple transcript variants encoding different isoforms have been found for this gene, and a 30-nt indel polymorphism Recombinant human IRF5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

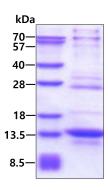
 $<\!\!\mathsf{MRGSHHHHHH}\,\mathsf{GMASMTGGQQ}\,\mathsf{MGRDLYDDDD}\,\mathsf{KDRWGS}\!\!>\!\!\mathsf{PPTL}\,\mathsf{QPPTLQPPVV}\,\mathsf{LGPPAPDPSP}\,\mathsf{LAPPPGNPAG}\,\mathsf{FRELLSEVLE}\,\mathsf{PGPLPASLPP}\,\mathsf{AGEQLLPDLL}\,\mathsf{I}$ 

#### **General References**

Barnes B.J., et al (2001). J. Biol. Chem. 276:23382-23390 Schoenemeyer A., et al (2005). J. Biol. Chem. 280:17005-17012

# **DATA**

#### **SDS-PAGE**



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

