



# Recombinant Human IRF5 (C-6His)

**Catalog #** EPT255

**Expression Host** E.coli

**DESCRIPTION** Recombinant Human Interferon Regulatory Factor 5 is produced by our E.coli expression system and the target gene encoding Met1-Gln498 is expressed with a 6His tag at the C-terminus.

**Accession** Q13568

**Synonyms** Interferon Regulatory Factor 5; IRF-5; IRF5

**Mol Mass** 57.1 KDa

**AP Mol Mass** 62 KDa, reducing conditions

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Endotoxin** Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

**FORMULATION** Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 30% Glycerol, 1mM DTT, pH 8.0.

**RECONSTITUTION**





## **SHIPPING**

The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

## **STORAGE**

Store at  $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt.

Store at  $\leq -70^{\circ}\text{C}$ , stable for 3 months under sterile conditions after opening.

Please minimize freeze-thaw cycles.

## **BACKGROUND**

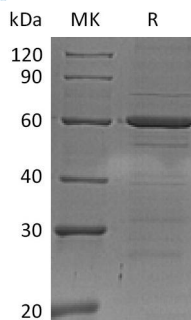
Interferon Regulatory Factor 5 (IRF5) is a member of the IRF family. It contains one IRF tryptophan pentad repeat DNA-binding domain. IRF5 shuttles between the nucleus and the cytoplasm. IRF5 can form homodimer when it is phosphorylated. IRF5 functions as a transcription factor involved in the induction of interferons IFNA and INFB and inflammatory cytokines upon virus infection. Genetic variations in IRF5 are associated with susceptibility to systemic lupus erythematosus type 10. In addition, the genetic variations will result in susceptibility to rheumatoid arthritis.





**ELK Biotechnology**

## SDS-PAGE



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