

## Recombinant Human IRF3 protein, His/T7-tagged

Cat. No. IRF3-61H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IRF3(Met1~Lys360) fused with His/T7 tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1~Lys360
<b>Description</b>	This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
<b>Form</b>	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Molecular Mass</b>	43.8kDa
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSH MASMTGGQQM GRGSEF- MGTPKPRILP WLVSQDLGQ LEGVAWVNKS RTRFRIPWKH GLRQDAQQED FGIFQAWAEA TGAYVPGRDK PDLPTWKRNF RSALNRKEGL RLAEDRSKDP HDPHKIYEFV NSGVGDFSQP DTSPDTNGGG STSDTQEDIL DELLGNMVL A PLPDPGPPSL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AVAPEPCPQP LRSPSLDNPT PFPNLGPMEN PLKRLLPVGE EWEFEVTAFY  
 RGRQVFQQT I SCPEGLRLVG SEVGDRTLPG WPVTLDPDGM SLTDRGVMSY  
 VRHVLSCGG GLALWRAGQW LWAQRLGHCH TYWAVSEELL PNSGHGPDGE  
 VPKDKEGGVF DLGPFIVDLI TFTEGSGRSP RYALWFCVGE SWPQDQPWTK

**Endotoxin** <1.0EU per 1g (determined by the LAL method)

**Applications** SDS-PAGE; WB; ELISA; IP.

**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in sterile ddH<sub>2</sub>O.

## GENE INFORMATION

**Gene Name** IRF3 interferon regulatory factor 3 [ Homo sapiens ]

**Official Symbol** IRF3

**Synonyms** IRF3; interferon regulatory factor 3;

**Gene ID** 3661

**mRNA Refseq** NM\_001197128

**Protein Refseq** NP\_001184057

**MIM** 603734

**UniProt ID** Q14653

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<b>Chromosome Location</b>	19q13.3-q13.4
<b>Pathway</b>	Activated TLR4 signalling, organism-specific biosystem; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon, organism-specific biosystem; Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Apoptosis, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem;
<b>Function</b>	DNA binding; identical protein binding; protein binding; protein homodimerization activity; regulatory region DNA binding; sequence-specific DNA binding transcription factor activity; transcription cofactor activity; transcription regulatory region DNA binding;

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