

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

Cat. No. IRF3-62H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IRF3(1-452 aa) fused with His/sumo tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-452 aa
<b>Description</b>	IRF3 encodes interferon regulatory factor 3, a member of the interferon regulatory transcription factor (IRF) family. IRF3 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.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>AA Sequence</b>	<p>MGTPKPRILP WLVSQDLGQ LEGVAWVNKS RTRFRIPWKH GLRQDAQQED            FGIFQAWAEA TGAYVPGRDK PDLPTWKRFN RSALNRKEGL RLAEDRSKDP            HDPHKIYEFV NSGVGDFSQP DTSPDTNGGG STSDTQEDIL DELLGNMVL            APLPDGPPSL AVAPEPCQP LRSPSLDNPT PFPNLGSEN PLKRLVPG            EWEFEVTAFY RGRQVFQQT SCPEGLRLVG SEVGDRTLPG WPVTLDPGM            SLTDRGVMSY VRHVLSCGG GLALWRAGQW LWAQRLGHCH TYWAVSEELL            PNSGHGPDGE VPKDKEGGVF DLGPFIVDLI TFTEGSGRSP RYALWFCVGE            SWPQDQPWTK RLVMVKVPT CLRALVEMAR VGGASSENT VDLHISNSHP</p>

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LSLTSDQYKA YLQDLVEGMD FQGPGES

**Purity** >90% ( SDS-PAGE )

**Storage** Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

## 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](#)

**Chromosome Location** 19q13.3-q13.4

**Pathway** 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

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biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem;

**Function**

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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