

Recombinant Human IRF3 protein, His/T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human IRF3(Met1~Lys360) fused with His/T7 tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Lys360
Description	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.
Form	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Molecular Mass	43.8kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF- MGTPKPRILP WLVSQDLGQ LEGVAWVNKS RTRFRIPWKH GLRQDAQQED FGIFQAWAEA TGAYVPGRDK PDLPTWKRNK RSALNRKEGL RLAEDRSKDP HDPHKIYEFV NSGVGDFSQP DTSPDTNGGG STSDTQEDIL DELLGNMVL APLPDGPPSL

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AVAPEPCPQP LRSPSLDNPT PFPNLGPSEN PLKRLVPGE EWEFEVTAFY
 RGRQVFQQT SCPEGLRLVG SEVGDRTPG WPVTLDPGM 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 ddH₂O.

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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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 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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