

Recombinant Human IRF3 protein, His/sumo-tagged

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

SPECIFICATION

Product Overview	Recombinant Human IRF3(1-452 aa) fused with His/sumo tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-452 aa
Description	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.
Form	Tris-based buffer,50% glycerol
AA Sequence	MGTPKPRILP WLVSQDLGQ LEGVAWVNKS RTRFRIPWKH GLRQDAQQED FGIFQAWAEA TGAYVPGRDK PDLPTWKRNK RSALNRKEGL RLAEDRSKDP HDPHKIYEFV NSGVGDFSQP DTSPDTNGGG STSDTQEDIL DELLGNMVLA PLPDGP PPSL AVAPEPCPQP LRSPSLDNPT PFPNLG PSEN PLKRLLPGE EWEFEVTAFY RGRQVFQQT SCPEGLRLVG SEVGDR TLPG WPVTL PDPGM SLTDRGVMSY VRHVL SCLGG GLALWRAGQW LWAQRLGHCH TYWAVSEELL PNSGHGPDGE VPKDKEGGVF DLGPFIVDLI TFTEGSGRSP RYALWFCVGE SWPQDQPWTK RLVMVKVPPT CLRALVEMAR VGGASSLENT VDLHISNSHP

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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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