



## Human IRF3 peptide (DAG-P0647)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen 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. [provided by RefSeq, Nov 2011]
<b>Specificity</b>	Expressed constitutively in a variety of tissues.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the IRF family. Contains 1 IRF tryptophan pentad repeat DNA-binding domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">IRF3 interferon regulatory factor 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	IRF3
<b>Synonyms</b>	IRF3; interferon regulatory factor 3;
<b>Entrez Gene ID</b>	<a href="#">3661</a>

<b>mRNA Refseq</b>	<a href="#">NM_001197122.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001184051.1</a>
<b>UniProt ID</b>	Q14653
<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; Cytosolic sensors of pathogen-associated DNA, organism-specific biosy
<b>Function</b>	DNA binding; identical protein binding; protein binding; protein homodimerization activity; sequence-specific DNA binding transcription factor activity; transcription cofactor activity; transcription regulatory region DNA binding;