

Recombinant Human IRF1, His-tagged

Cat. No. IRF1-29246TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-114 of Human IRF1 with a His Tag of 20 aa, 15 kDa.
Species	Human
Source	E.coli
ProteinLength	1-114 a.a.
Description	IRF1 encodes interferon regulatory factor 1, a member of the interferon regulatory transcription factor (IRF) family. IRF1 serves as an activator of interferons alpha and beta transcription, and in mouse it has been shown to be required for double-stranded RNA induction of these genes. IRF1 also functions as a transcription activator of genes induced by interferons alpha, beta, and gamma. Further, IRF1 has been shown to play roles in regulating apoptosis and tumor-suppressoion.
Conjugation	HIS
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids MGSSHHHHHH SSSLVPRGSH MPITRMRMRP WLEMQINSNQ IPGLIWINKE
EMIFQIPWKHAAKHGWDINK DAFLFRSWAI HTGRYKAGEK EPDPKTWKAN
FRCAMNSLPD IEEVKDQSRN KGSSAVRVYR MLPP

Sequence Similarities Belongs to the IRF family. Contains 1 IRF tryptophan pentad repeat DNA-binding domain.

GENE INFORMATION

Gene Name IRF1 interferon regulatory factor 1 [Homo sapiens]

Official Symbol IRF1

Synonyms IRF1; interferon regulatory factor 1; MAR;

Gene ID 3659

mRNA Refseq NM_002198

Protein Refseq NP_002189

MIM 147575

Uniprot ID P10914

Chromosome Location 5q23-q31

Pathway Apoptosis, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Glucocorticoid receptor regulatory

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network, organism-specific biosystem; Hemostasis, organism-specific biosystem;

Function

regulatory region DNA binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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