

Recombinant Human IRF5, His-tagged

Cat. No. IRF5-5121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IRF5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	IRF5 is a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Multiple transcript variants encoding different isoforms have been found for this gene, and a 30-nt indel polymorphism
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT
Molecular Mass	10.7 kDa (101aa) confirmed by MALDI-TOF
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSPTL QPPTLQPPVV LGPPAPDPSP LAPPPGNPAG FRELLSEVLE PGPLPASLPP AGEQLLPDLL I
Purity	>85 % by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	IRF5 interferon regulatory factor 5 [Homo sapiens]
Official Symbol	IRF5
Synonyms	IRF5; interferon regulatory factor 5; IRF-5; SLEB10;
Gene ID	3663
mRNA Refseq	NM_001098627
Protein Refseq	NP_001092097
MIM	607218
UniProt ID	Q13568
Chromosome Location	7q32
Pathway	Apoptosis, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific

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biosystem; Interferon alpha/beta signaling, organism-specific biosystem; Interferon gamma signaling, organism-specific biosystem;

Function

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

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