

Active Recombinant Full Length Human IRF5 Protein, C-Flag-tagged

Cat. No. IRF5-555HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IRF5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes 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. Alternative promoter use and alternative splicing result in multiple transcript variants, and a 30-nt indel polymorphism (SNP rs60344245) can result in loss of a 10-aa segment.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Cell treatment
Molecular Mass	56.5 kDa
AA Sequence	MNQSI PVAPT PPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFCIPWRHATRHGP SQDGDNTIFKAWAKE TGKYTEGVDEADPAKWKANLRCALNKS RDFRLIYDGPRDM PPQPYKIYEVCSNGPAPTDSQPPEDYSFGA GEEEEEEEEELQRMLPSLSLTD AVQSG

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PHMTPYSLKEDVKWPPTLQPPTLQPPVVLGPPAPDPSPLAPPP GNPAGFRELLSE
 VLEPGPLPASLPPAGEQLLPDLLISPHMLPLTDLEIKFYRGRPPRALTISNPHGCRL
 FYSQLEATQEQVELFGPISLEQVRFPSPEDIPSDKQRFYTNQLLDVLDRLILQLQGQ
 DLYAIRLCQCKV FWSGPCASAHDCPNPIQREVKTCLFSLEHFLNELILFQKGQTNT
 PPPFEIFFCFGEEWPDRKPREKKLI TVQVVPVAARLLLEMFSGELSWADSIRLQISN
 PDLKDRMVEQFKELHHIWQSQQRLQPVAQAPPGAGLG
 VGQGPWPMHPAGMQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Protein Pathways	Toll-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

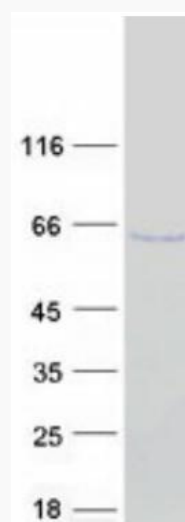
Gene Name	IRF5 interferon regulatory factor 5 [Homo sapiens (human)]
Official Symbol	IRF5

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Synonyms	SLEB10
Gene ID	3663
mRNA Refseq	NM_001098627.4
Protein Refseq	NP_001092097.2
MIM	607218
UniProt ID	Q13568



Coomassie blue staining of purified IRF5 protein.