Recombinant Human IRF1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. IRF1-314H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IRF1 MS Standard C13 and N15-labeled recombinant protein (NP_002189) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a transcriptional regulator and tumor suppressor, serving as an activator of genes involved in both innate and acquired immune responses. The encoded protein activates the transcription of genes involved in the body's response to viruses and bacteria, playing a role in cell proliferation, apoptosis, the immune response, and DNA damage response. This protein represses the transcription of several other genes. As a tumor suppressor, it both suppresses tumor cell growth and stimulates an immune response against tumor cells. Defects in this gene have been associated with gastric cancer, myelogenous leukemia, and lung cancer. [provided by RefSeq, Aug 2017]
Molecular Mass	36.5 kDa
AA Sequence	MPITRMRMRPWLEMQINSNQIPGLIWINKEEMIFQIPWKHAAKHGWDINKDACLFRS WAIHTGRYKAGEKEPDPKTWKANFRCAMNSLPDIEEVKDQSRNKGSSAVRVYRML PPLTKNQRKERKSKSSRDAKSKAKRKSCGDSSPDTFSDGLSSSTLPDDHSSYTVPG YMQDLEVEQALTPALSPCAVSSTLPDWHIPVEVVPDSTSDLYNFQVSPMPSTSEATT

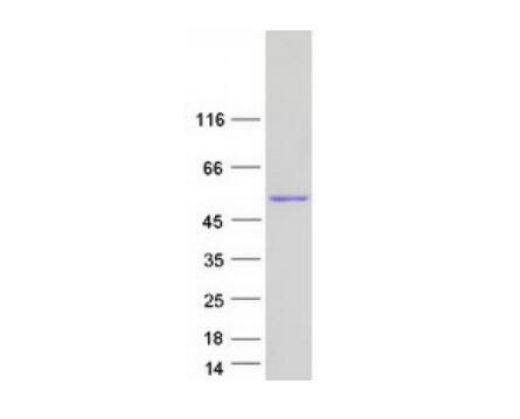
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	DEDEEGKLPEDIMKLLEQSEWQPTNVDGKGYLLNEPGVQPTSVYGDFSCKEEPEID SPGGDIGLSLQRVFTDLKNMDATWLDSLLTPVRLPSIQAIPCAPTRTRPLEQKLISEE DLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	IRF1 interferon regulatory factor 1 [Homo sapiens (human)]
Official Symbol	IRF1
Synonyms	IRF1; interferon regulatory factor 1; MAR; IRF-1;
Gene ID	3659
mRNA Refseq	NM_002198
Protein Refseq	NP_002189
MIM	147575

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UniProt ID	P10914
SDS-PAGE	

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