Recombinant Full Length Human IRF3 Protein, C-Flag-tagged

Cat. No. IRF3-497HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IRF3 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 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. The protein plays an important role in the innate immune response against DNA and RNA viruses. Mutations in this gene are associated with Encephalopathy, acute, infection-induced, herpes-specific, 7.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47 kDa
AA Sequence	MGTPKPRILPWLVSQLDLGQLEGVAWVNKSRTRFRIPWKHGLRQDAQQEDFGIFQA WAEATGAYVPGRDK PDLPTWKRNFRSALNRKEGLRLAEDRSKDPHDPHKIYEFVN SGVGDFSQPDTSPDTNGGGSTSDTQEDIL DELLGNMVLAPLPDPGPPSLAVAPEPC PQPLRSPSLDNPTPFPNLGPSENPLKRLLVPGEEWEFEVTAFY RGRQVFQQTISCP EGLRLVGSEVGDRTLPGWPVTLPDPGMSLTDRGVMSYVRHVLSCLGGGLALWRA GQW LWAQRLGHCHTYWAVSEELLPNSGHGPDGEVPKDKEGGVFDLGPFIVDLITF

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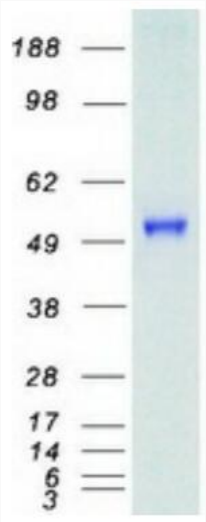
	TEGSGRSPRYALWFCVGE SWPQDQPWTKRLVMVKVVPTCLRALVEMARVGGASS LENTVDLHISNSHPLSLTSDQYKAYLQDLVEGMD FQGPGESTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling 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	Druggable Genome, Transcription Factors
Protein Pathways	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	IRF3 interferon regulatory factor 3 [Homo sapiens (human)]
Official Symbol	IRF3
Synonyms	IIAE7

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Gene ID	3661
mRNA Refseq	NM_001571.6
Protein Refseq	NP_001562.1
MIM	603734
UniProt ID	Q14653



Coomassie blue staining of purified IRF3 protein.

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