Recombinant Full Length Human IRF7 Protein, C-Flag-tagged

Cat. No. IRF7-1307HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IRF7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes interferon regulatory factor 7, a member of the interferon regulatory transcription factor (IRF) family. It has been shown to play a role in the transcriptional activation of virus-inducible cellular genes, including interferon beta chain genes. Inducible expression of IRF7 is largely restricted to lymphoid tissue. The encoded protein plays an important role in the innate immune response against DNA and RNA viruses.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.1 kDa
AA Sequence	MALAPERAAPRVLFGEWLLGEISSGCYEGLQWLDEARTCFRVPWKHFARKDLSEA DARIFKAWAVARGRW PPSSRGGGPPPEAETAERAGWKTNFRCALRSTRRFVMLR DNSGDPADPHKVYALSRELCWREGPGTDQTE AEAPAAVPPPQGGPPGPFLAHTH AGLQAPGPLPAPAGDKGDLLLQAVQQSCLADHLLTASWGADPVPTKA PGEGQEGL PLTGACAGGPGLPAGELYGWAVETTPSPGPQPAALTTGEAAAPESPHQAEPYLSPS PSACTA VQEPSPGALDVTIMYKGRTVLQKVVGHPSCTFLYGPPDPAVRATDPQQV AFPSPAELPDQKQLRYTEELL RHVAPGLHLELRGPQLWARRMGKCKVYWEVGGP

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

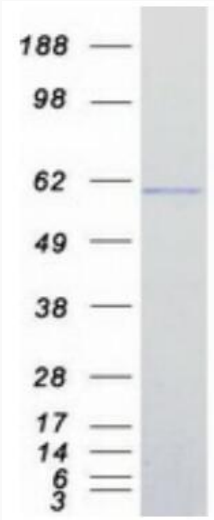
	PGSASPSTPACLLPRNCDTPIFDFRVFFQELVEFRAR QRRGSPRYTIYLGFGQDLSA GRPKEKSLVLVKLEPWLCRVHLEGTQREGVSSLDSSSLSLCLSSANSLYD DIECFLMELEQPASGPSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under 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	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	IRF7 interferon regulatory factor 7 [Homo sapiens (human)]
Official Symbol	IRF7
Synonyms	IMD39; IRF-7; IRF7A; IRF7B; IRF7C; IRF7H; IRF-7H

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Gene ID	3665
mRNA Refseq	NM_001572.5
Protein Refseq	NP_001563.2
MIM	605047
UniProt ID	Q92985



Coomassie blue staining of purified IRF7 protein.

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