

# Recombinant Human IRF7 293 Cell Lysate

**Cat. No.** IRF7-5160HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

**Species** Human

**Source** HEK293

### Description

Antigen standard for interferon regulatory factor 7 (IRF7), transcript variant a is a lysate prepared from HEK293T cells transiently transfected with aTrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC217934, OriGene Technologies, Inc.) and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

### Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

**Size** 0.1 mg

### Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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**Applications**

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

**GENE INFORMATION**
**Gene Name**

IRF7 interferon regulatory factor 7 [ Homo sapiens ]

**Official Symbol**

IRF7

**Synonyms**

IRF7; interferon regulatory factor 7; IRF-7; interferon regulatory factor-7H; IRF7A; IRF-7H;

**Gene ID**

3665

**mRNA Refseq**

NM\_001572

**Protein Refseq**

NP\_001563

**MIM**

605047

**UniProt ID**

Q92985

**Chromosome  
Location**

11p15.5

**Pathway**

Activated TLR4 signalling, organism-specific biosystem; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon, organism-specific biosystem; Apoptosis, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Factors involved in megakaryocyte

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development and platelet production, organism-specific biosystem;

**Function**

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

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