

Product datasheet for **TP309951L**

IRF3 (NM_001571) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human interferon regulatory factor 3 (IRF3), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone >RC209951 protein sequence

or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MGTPKPRILPWLVSQDLGQLEGVAWVNKSRTFRIPWKHGLRQDAQQEDFGIFQAWAEATGAYVPGRDK
PDLPTWKRNFRSALNRKEGLRLAEDRSKDPHPHKIYEFVNSGVGDFSQPDTSPTDNGGGSTSDTQEDIL
DELLGNMVLAPLPDPGPPSLAVAPEPCPQPLRSPSLDNPTFPNPLGPESENPLKRLLVPGEEWEFEVTFY
RGRQVFQQTISCEGLRLVGSEVGDRTLPGWPVTLDPGMSLTDGVMYSYVRHVLSCGGGLALWRAGQW
LWAQRLGHCHTYWAVSEELLNSGHPDGEVPKDKEGGVFDLGPFIVDLITFTEGSGRSPRYALWFCVGE
SWPQDQPWTKRLVMVKVPTCLRALVEMARVGGASSLENTVDLHISNSHPLSLTSDQYKAYLQDLVEGMD
FQGPGES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 47 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001562](#)



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Locus ID: 3661

UniProt ID: [Q14653](#)

RefSeq Size: 1626

Cytogenetics: 19q13.33

RefSeq ORF: 1281

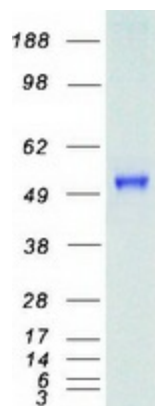
Synonyms: IIAE7

Summary: 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. [provided by RefSeq, Sep 2020]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway

Product images:



Coomassie blue staining of purified IRF3 protein (Cat# [TP309951]). The protein was produced from HEK293T cells transfected with IRF3 cDNA clone (Cat# [RC209951]) using MegaTran 2.0 (Cat# [TT210002]).