

## Product datasheet for TP331144M

### IRF3 (NM\_001197124) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens interferon regulatory factor 3 (IRF3), transcript variant 4, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC231144 representing NM_001197124 Red=Cloning site Green=Tags(s)

MGTPKPRILPWLVSQLDLGQLEGVAWVNKSRTFRIPWKHGLRQDAQQEDFGIFQAWAEATGAYVPGRDK  
PDLPTWKRNFERSALNRKEGLRLAEDRSKDPHDPHKIYEFVNSGVGDFSQPDTSPDTNGGGSTSDTQEDIL  
DELLGNMVLAPLPDPGPPSLAVAPEPCQPLRSPSLDNPTFPNLGPOSENPLKRLLVPGEDLITFTEGSG  
RSPRYALWFCVGESWPQDQPWTKRLVMVKVPTCLRALVEMARVGGASSLENTVDLHISNSHPLSLTSDQ  
YKAYLQDLVEGMDFQGPGES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	33.6
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:	NULL or Add: Recombinant proteins 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:	<u><a href="#">NP_001184053</a></u>
Locus ID:	3661



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UniProt ID: [Q14653](#), [E2GIM9](#), [E2GIM8](#)

Cytogenetics: 19q13.33

RefSeq ORF: 900

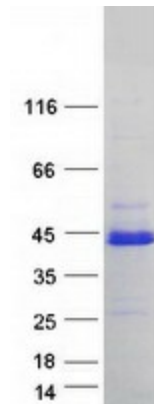
Synonyms: IIAE7

**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# [TP331144]). The protein was produced from HEK293T cells transfected with IRF3 cDNA clone (Cat# [RC231144]) using MegaTran 2.0 (Cat# [TT210002]).