

## Product datasheet for **TP316505L**

### IRF5 (NM\_001098628) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human interferon regulatory factor 5 (IRF5), transcript variant 4, 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC216505 representing NM\_001098628  
**Red**=Cloning site **Green**=Tags(s)

MNQSIPVAPTPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFCIPWRHATRHHGPSQDGDNTIFKAWAKE  
TGKYTEGVDEADPAKWKANLRCALNKSRLFRLIYDGPDMPPQPYKIYEVCSNGPAPTDSQPPEDYSFGA  
GEEEEEEELQRMLPSLSLTEDVKWPPTLQPTLQPPVVLGPPAPDPSPLAPPPGNPAGFRELLSEVLEP  
GPLPASLPAGEQLLPDLLISPHMLPLTDLEIKFYRGRPPRALTISNPHGCRLFYSQLEATQEQVELFG  
PISLEQVRFSPEDIPSDKQRFYTNQLLDVLDRLGILQLQGQDLYAIRLCQCKVFWSGPCASAHDS CPNP  
IQREVKTCLFSLEHFLNELILFQKGQNTNPPPFEIFFCGEEWPDRKPREKKLITVQVVPVAARLLLEMF  
SGELSWADSIRLQISNPDLKDRMVEQFKELHHIWQSQRLQPVAPQAPPAGLGVGGQPWPMHPAGMQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 54.8 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\\_001092098](#)



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Locus ID: 3663

UniProt ID: [Q13568](#)

RefSeq Size: 2822

Cytogenetics: 7q32.1

RefSeq ORF: 1464

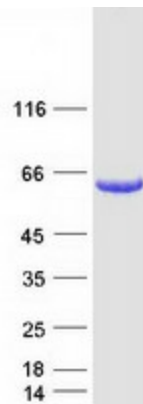
Synonyms: interferon regulatory factor 5; SLEB10

**Summary:** This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Alternative promoter use and alternative splicing result in multiple transcript variants, and a 30-nt indel polymorphism (SNP rs60344245) can result in loss of a 10-aa segment. [provided by RefSeq, Dec 2016]

**Protein Families:** Transcription Factors

**Protein Pathways:** Toll-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified IRF5 protein (Cat# [TP316505]). The protein was produced from HEK293T cells transfected with IRF5 cDNA clone (Cat# [RC216505]) using MegaTran 2.0 (Cat# [TT210002]).