

## Product datasheet for TP526642

### Irf4 (NM\_013674) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse interferon regulatory factor 4 (Irf4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA** >MR226642 representing NM\_013674

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

**Sequence:**

MNLETGSRGSEFGMSAVSCGNGKLRQWLIDQIDSGKYPGLWENEKSVFRIPWKHAGKQDYNREEDAAL  
FKAWALFKGKFREGIDKDPPTWKTRLRCALNKSNDFEELVERSQLDISDPYKVRIVPEGAKKGAKQLT  
LDDTQMAMGHPYPMTAPYGSPLAQVHNYMMPPHDRSWRDYAPDQSHPEIPYQCPVTFGPRGHHWQGSPC  
ENGCQVTGTFYACAPPESQAPGIPIEPSIRSAEALALSDCRLHICLYYRDILVKELTTTSPGCRISHGH  
TYDVSNLDQVLPYPDDNGQRKNIEKLLSHLERGLVLMAPDGLYAKRLCQSRIYWDGPLALCSDRPNKL  
ERDQTCKLFDTQQFLSELQVFAHHGRPAPRFQVTLFCGEEFPDPQRQRKLITAHVEPLLARQLYFAQQN  
TGHFLRGYELPEHVTTDPDYHRSLRHSSIQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-MYC/DDK

**Predicted MW:** 52 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

**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 after receiving vials.

**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\\_038702](#)

**Locus ID:** 16364



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UniProt ID: [Q64287](#), [Q5SUZ4](#)

RefSeq Size: 4683

Cytogenetics: 13 A3.2

RefSeq ORF: 1350

Synonyms: AI385587; IRF-4; LSIRF; NF-EM5; Spip

**Summary:** Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) of the MHC class I promoter. Binds the immunoglobulin lambda light chain enhancer, together with PU.1. Probably plays a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells. Involved in CD8(+) dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF4 and activation of genes.[UniProtKB/Swiss-Prot Function]