

## Product datasheet for **TP301751L**

### ILF2 (NM\_004515) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin enhancer binding factor 2, 45kDa (ILF2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201751 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRGDRGRGRGGRFGSRGGPGGGFRPFVPHIPDFYLCEMAFPRVKPAPDETSEALLKRNQDLAPNSAE  
QASILSLVTKINNVIDNLIVAPGTFEVQIEEVRQVGSYKKGTTTGHNVADLVILKILPTLEAVAALGN  
KVVESLRAQDPSEVLMLTNETGFEISSDATVKILITTVPPNLRKLDPELHLDIKVLQSALAAIRHARW  
FEENASQSTVKVLRLLKDLRIRFPGFELTPWILDLLGHYAVMNNPTRQPLALNVAYRRCLQILAAGLF  
LPGSVGITDPCESGNFRVHTVMTLEQQDMVCYTAQTLVRILSHGGFRKILGQEGDASYLASEISTWDGVI  
VTPSEKAYEKPPEKKEGEEEEENTTEPPQGEEEEESMETQE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	42.9 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:	<a href="#">NP_004506</a>
Locus ID:	3608



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UniProt ID: [Q12905](#), [F4ZW62](#), [Q53FG3](#)

RefSeq Size: 1934

Cytogenetics: 1q21.3

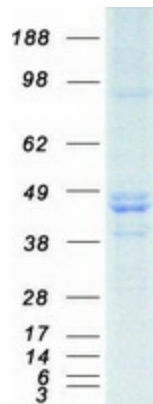
RefSeq ORF: 1170

Synonyms: NF45; PRO3063

**Summary:** The protein encoded by this gene is a transcription factor required for T-cell expression of the interleukin 2 gene. It also binds RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. The encoded 45 kDa protein (NF45, ILF2) forms a complex with the 90 kDa interleukin enhancer-binding factor 3 (NF90, ILF3), and this complex has been shown to affect the redistribution of nuclear mRNA to the cytoplasm, to repair DNA breaks by nonhomologous end joining, and to negatively regulate the microRNA processing pathway. Knockdown of NF45 or NF90 protein retards cell growth, possibly by inhibition of mRNA stabilization. Alternative splicing results in multiple transcript variants. Related pseudogenes have been found on chromosomes 3 and 14. [provided by RefSeq, Dec 2014]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified ILF2 protein (Cat# [TP301751]). The protein was produced from HEK293T cells transfected with ILF2 cDNA clone (Cat# [RC201751]) using MegaTran 2.0 (Cat# [TT210002]).