

Product datasheet for **TP314999M**

ILF3 (NM_012218) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human interleukin enhancer binding factor 3, 90kDa (ILF3), transcript variant 1, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC214999 representing NM_012218
Red=Cloning site Green=Tags(s)

MRIFVNDDRHVMMAKHSSVYPTQEELEAVQNMVSHTERALKAVSDWIDEQEKGSSQAESDNMDVPPEDDS
 KEGAGEQKTEHMTRTLRGVMRVGLVAKGLLLKGDLDLELVLLCKEKPPTALLDKVADNLAIQLAAVTEDK
 YEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVREEMEKVLAGETLSVNDPPDVLDRQKLAALASLRHA
 KWFQARANGLKSCVIVIRVLRDLCTRVPTWGPLRGWPLELLCEKSIGTANRPMGAGEALRRVLECLASGI
 VMPDGSGIYDPCEKEATDAIGHLDRQQREDITQSAQHALRLAAFQGLHKVLGMDPLPSKMPKPKNENPV
 DYTQIIPPSTTYAITPMKRPMEEDEGEEKSPSKKKKKIQKKEEKAEPQAMNALMRLNQLKPLQYKLVSQ
 TGPVHAPIFTMSVEVDGNSFEASGPSKKTAKLHVAVKVLQDMGLPTGAEGRDSKGEDSAEETEAKPAVV
 APAPVWEAVSTPSAAFPSDATAEQGPILTKHGKNPVMELNEKRRGLKYELISETGGSHDKRFVMEVEVDG
 QKFQGAGSNKKVAKAYAALAALKLPDTPALDANKKKRAPVVRGGPKFAAKPHNPGFGMGGMHNEV
 PPPPNLRGRGRGGSIRGRGRGRGFGGANHGGYMNAGAGYGSYGYGGNSATAGYSQFYSNGGHSNASGGG
 GGGGGSSGYGSYQGDNYNSPVPPKHAGKKQPHGGQKPSYGSYQSHQGGQQSYNQSPYSNYGPPQGGK
 QKGYNHGQGSYSYNSYNSPGGGGSDYNYESKFNYSGSGGRSGNSYSGGGASYNPGSHGGYGGGSGGG
 SSYQKQGGYSQSNYNSPGSGQNYSGPPSSYQSSQGGYGRNADHSMNYQYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

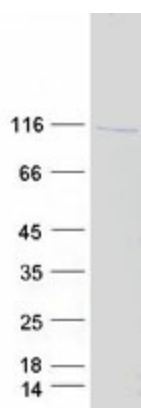
Tag: C-Myc/DDK
Predicted MW: 95.2 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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_036350
Locus ID:	3609
UniProt ID:	Q12906 , A0A024R7C7
RefSeq Size:	6058
Cytogenetics:	19p13.2
RefSeq ORF:	2673
Synonyms:	CBTF; DRBF; DRBP76; MMP4; MPHOSPH4; MPP4; MPP4110; NF-AT-90; NF90; NF90a; NF90b; NF90c; NF90ctv; NF110; NF110b; NFAR; NFAR-1; NFAR-2; NFAR2; NFAR90; NFAR110; TCP80; TCP110
Summary:	This gene encodes a double-stranded RNA (dsRNA) binding protein that complexes with other proteins, dsRNAs, small noncoding RNAs, and mRNAs to regulate gene expression and stabilize mRNAs. This protein (NF90, ILF3) forms a heterodimer with a 45 kDa transcription factor (NF45, ILF2) required for T-cell expression of interleukin 2. This complex has been shown to affect the redistribution of nuclear mRNA to the cytoplasm. Knockdown of NF45 or NF90 protein retards cell growth, possibly by inhibition of mRNA stabilization. In contrast, an isoform (NF110) of this gene that is predominantly restricted to the nucleus has only minor effects on cell growth when its levels are reduced. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Dec 2014]
Protein Families:	Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified ILF3 protein (Cat# [TP314999]). The protein was produced from HEK293T cells transfected with ILF3 cDNA clone (Cat# [RC214999]) using MegaTran 2.0 (Cat# [TT210002]).