

## Product datasheet for PH314999

### ILF3 (NM\_012218) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ILF3 MS Standard C13 and N15-labeled recombinant protein (NP_036350)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214999
Predicted MW:	95.2 kDa
Protein Sequence:	>RC214999 representing NM_012218 Red=Cloning site Green=Tags(s)

MRIFVNDDRHVMMAKHSSVYPTQEELAVQNMVSHTERALKAVSDWIDEQEKGSSQEAESDNDVPPEDDS  
KEGAGEQKTEHMTRTLRGVMRVGLVAKGLLLKGDLDLELVLLCKEKPPTALLDKVADNLAIQLAAVTEDEK  
YEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVVREEMEKVLAGETLSVNDPPDVLDLDRQCLAAALASLRHA  
KWFQARANGLKSCVIVIRVLRDLCTRVPTWGPLRGWPLELLCEKSIQTANRPMGAGEALRRVLECLASGI  
VMPDGGSGIYDPCKEATDAIGHLDLDRQQREDITQSAQHALRLAAFQGLHKVLGMDPLPSKMPKPKKNENPV  
DYTVQIPPSTTYAITPMKRPMEEDEGEEKSPSKKKKKIQKKEEKAEPQAMNLMRLNQLKPLQYKLVSQ  
TGPVHAPIFTMSVEVDGNSFEASGPSKKTAKLHVAVKVLQDMGLPTGAEGRDSKGEDSAEETEAKPAVV  
APAPVVEAVSTPSAAFPSDATAEQGPILTKHGNPVMELNEKRRGLKYELISETGGSHDKRFVMEVEVDG  
QKFQAGSNKKVAKAYAALAALEKLPDTPALDANKKKRAPVVPVRRGPKFAAKPHNPGFGMGGPMHNEV  
PPPPNLRGRGRGGSIRGRGRGRGFGGANHGGYMNAGAGYSGYGGNSATAGYSQFYNSNGHSGNASGGG  
GGGGGGSSGYGSYYQGDNYNSPVPKHAQKQPHGGQKPSYSGYQSHQGGQQSYNSPYSNYGPPQKQK  
QKGYNHGQGSYSYNSYNSPVGSGGGSDYNYESKFNYSGSGGRSGGNSYSGGASYNPUSHGGYGGGGGGG  
SSYQKQGGYSQSNYNSPVGSGQNYSGPPSSYQSSQGGYGRNADHSMNYQYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

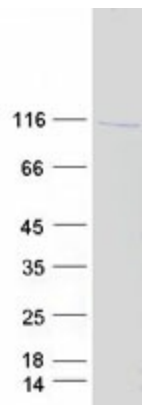
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq:	<a href="#">NP_036350</a>
RefSeq Size:	6058
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
Locus ID:	3609
UniProt ID:	<a href="#">Q12906</a> , <a href="#">A0A024R7C7</a>
Cytogenetics:	19p13.2
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]).