

Product datasheet for **MR231365**

Ilf3 (NM_001277321) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf3 (NM_001277321) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ilf3
Synonyms:	MBII-26; MPHOSPH4; NF9; NF90; NFAR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR231365 representing NM_001277321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCATTGTATCATCATCACTTTCATCACAAGAAGAAGAAGGCGTCCCATGAGAATTTTTGTGAATGATG
 ATCGCCACGTGATGGCAAAGCATTCTTCAGTGTACCCAACACAAGAGGAGCTGGAGGCTGTACAGAACAT
 GGTGTCCCATACTGAGCGGGCCCTGAAGGCTGTCTCTGACTGGATTGATGAGCAGGAGAAAGGCAACAGC
 GAGCTCTCTGAGGCAGAAAATATGGACACACCCCAAGACGATGAGAGCAAAGAAGGGGCTGGGAACAGA
 AGGCGGAACACATGACTAGGACCCTGAGGGGCGTGTGCGGGTGGCCTGGTAGCCAAGGGTCTTCTGCT
 CAAGGGGGACTTGGATCTGGAGCTGGTTCTGCTCTGTAAGGAGAAGCCACAACCGCCCTTCTGGACAAG
 GTGGCTGACAACCTGGCCATCCAGCTCACTACTGTAACAGAAGACAAGTATGAAATACTCCAGTCTGTGG
 ATGATGCTGCGATTGTGATAAAAAACACAAAAGAGCCCCCTTGTCTTGACCATCCATCTGACCTCCCC
 TGTTGTACAGAGAAGAAATGGAGAAAGTATTAGCTGGAGAAACGCTATCAGTCAACGATCCCCCGACGTT
 CTGGACAGGCAGAAATGCCTTGCTGCCTTGGCGTCCCTCCGACACGCCAAGTGGTTCCAGGCCAGAGCCA
 ATGGACTGAAGTCATGTGTCATTGTTCATCCGTGTCTTAAGGGACTTGTGTACCCGAGTGCCACCTGGGG
 TCCCTCAGAGGATGGCCTCTGGAGCTGCTGTGTGAGAAGTCCATCGGCACTGCCAATAGGCCAATGGGT
 GCTGGTGAAGCCCTGCGGAGAGTGTGGAGTGCCTGGCATCCGGCATCGTAATGCCAGATGGTTCTGGCA
 TTTATGACCCCTTGTAAGAAAGAGCCACTGATGCTATTGGGCATCTAGACAGACAGCAACGGGAAGATAT
 CACACAGAGTGGCAGCATGCTCTGCGGCTTGTGCCTTGGTCACTCCATAAAGTACTGGGAATGGAC
 CCCCTGCCTTCCAAAATGCCAAGAAACCAAGAACGAGAACCCGGTGGACTACTGTCAAATTCCTC
 CCAGCACACCTATGCTATCACACCCATGAAACGCCCTATGGAAGAGGATGGGGAGGAGAAGTCTCCCA
 CAAGAAGAAAAAGAAAGATCCAGAAGAAAGAGGAGAAGGCTGATCCTCCTCAAGCTATGAATGCCCTGATG
 AGGTTAAATCAGCTGAAGCCAGGCTGCACTACAAGTGTCTCCAGACAGGCCCTGTTTCATGCTCCCA
 TCTTACCATGTCTGTGGAGGTAGACGGCAGTAACTTCGAGGCCTCGGGGCCATCTAAAAAGACTGCCAA
 GCTTATGTAGCTGTGAAGGTGTACAGGACATGGGCTTGCCAACAGGCGCTGAAGGCAGAGACTCCAGC
 AAGGGGAAGACTCCGCTGAGGAGTCAAGTGGGAAGCCAGCAATAGTGGCCCCACCCCTGTGGTGGAA
 CTGTCTCAACCCAGTCTGTCTTCCCTTCAAGTGCCTACTGAGCAGGACCGATTTGACTAAGCA
 TGGCAAGAACCCTGTTATGGAGCTTAATGAGAAGAGACGTGGCCTCAAATATGAGCTCATTCTGAGACG
 GGGGGCAGCCACGACAAAAGTTTGTATGGAGTTGAGGTGGACGGACAGAAGTTTCAAGTGTGGTT
 CAAACAAAAGGTGGCAAAGGCTTATGCTGCACCTTGGCCGATAGAAAACTTTTCCCTGATACCCCTCT
 TGCTCTTGAAGCCAACAAAAGAAAAGGACCCAGTACCTGTCCGAGGTGGACCCAAATTTGCTGCCAAG
 CCACACAACCCTGGTTTTGGCATGGGAGGCCCATGCATAATGAAGTGGCCACCTCCTAACATCCGAG
 GTCGGGGCGGAGGAGTAAACATCCGAGGGCGAGGACGGGGCGAGGATTTGGTGGCGCAACCATGGAGG
 AGGCTACATGAATGCTGGTGTGGATATGGAAGCTATGGGTACAGCAGCAATTCGGCCACAGCAGGCTAC
 AGTCAGTTCTACAGCAATGGAGGCACTTCTGGGAATGCCGGTGGTGGAGGCAGCGGGGAGGTGGTGGCT
 CATCCAGCTACAGCTCCTACTACCAAGGAGACAGCTACAACCTACCAGTACCCCGAAGCATGCTGGGAA
 GAAGCCGCTGCATGGGGCCAGCAGAAAGCCTCCTACAGCTCGGGCTACCAGTCCCACAGGGCCAGCAG
 CAACCTTACAACCAGAGCCAGTACAGCAGCTACGGCACGCCACAGGGCAAGCAGAAAGGCTATGGCCATG
 GGCAGGGCAGCTACTCCTCCTACTCCAACCTTTACAACCTCCCAAGTGGTGGTGGGGCTGACTACAG
 CTACGACAGCAAATCAACTACAGTGGGAGTGGAGGCCGAGTGGAGGCAACAGCTATGGCTCCAGCGGG
 TCATCGTCTACAACACAGGCTCACATGGAGGCTATGGCACAGGCTCCGGAGGCAGCTCTTCATACCAAG
 GAGGCTACTCATCAGTCAAACCTACAGCTCACCTGGTCCAGCCAGAGCTACAGTGGTCTGCCAGCTC
 CTACCAGTCTCACAGGGTGGCTACAGTCGGAACACAGAGCACAGCATGAACTACCAGTACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231365 representing NM_001277321
Red=Cloning site Green=Tags(s)

MALYHHHFITRRRRRPMRIFVNDDRHVMKHSVYPTQEELAVQNMVSHTERALKAVSDWIDEQEKGNS
 ELSEAENMDTPPDESKEGAGEQKAHEMTRTLRGVMRVGLVAKGLLLKGDLDLELVLLCKEKPTTALLDK
 VADNLAIQLTTVTEDKYEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVVREEMEKVLAGE TLSVNDPPDV
 LDRQKCLAALASLRHAKWFQARANGLKSCVIVIRVLRDLCTRVPWTWGPLRGWPLELLCEKSI GTANRPMG
 AGEALRRVLECLASGI VMPDGS GIYDPCEKEATDAIGHLDRQQREDITQSAQHALLRAAFGQLHKVLGMD
 PLPSKMPKPKNENPV DYT VQI PPSTTYAITPMKRPMEEDGEEKSPSKKKKKIQKKEEKADPPQAMNALM
 RLNQLKPLGQYKLI SQTGPVHAPIFTMSVEVDGSGNFEASGPSKKTAKLHVAVKVLQDMGLPTGAEGRDSS
 KGEDSAEESDGKPAIVAPPPVVEAVSNPSSVFPSDATTEQGPILTKHGKNPVMELNEKRRGLKYELISET
 GGS HDKRFVMEVEVDGQKFQGAGSNKKVAKAYAALAALEKLPDTPLEANKKKRTPVPVVRGGPKFAAK
 PHNPGFGMGGPMHNEVPPPPNIRGRGRGNIRGRGRGRFGGANHGGGYMNAGAGYGSYGYSSNSATAGY
 SQFY SNGHSGNAGGGGGGGSSSYSSYYQGDSYNSPVPKHKAGKPLHGGQQKASYSGYQSHGQQQ
 QPYNQSQYSSYGT PQGKQKGYGHGQGSYSSYNSYNSPVGSGGGSDYSYDKFNYSGSGRSGGNSYGS
 SSSYNTGSHGGYGTGSGGSSSYQGGYSSQSNYSSPSSQSYSGPASSYQSSQGGYSRNTHEHMNYQYR

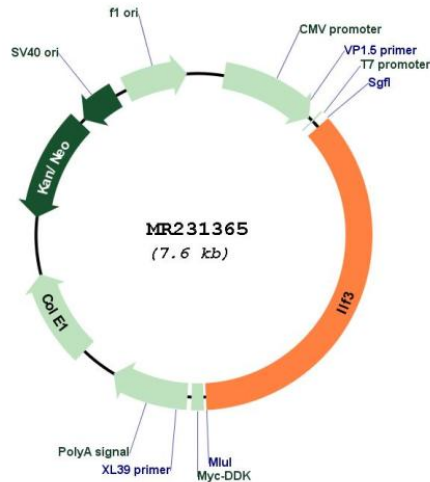
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001277321

ORF Size: 2724 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001277321.1](#), [NP_001264250.1](#)

RefSeq Size: 3594 bp

RefSeq ORF: 2727 bp

Locus ID: 16201

UniProt ID: [Q9Z1X4](#)

Cytogenetics: 9 7.78 cM

MW: 97.9 kDa

Gene Summary: The protein encoded by this gene contains two double-stranded RNA binding domains and functions in the post-transcriptional regulation of gene expression. It is a component of an RNA-protein complex that may be involved in mediating the export of messenger RNAs. Alternative splicing results in multiple transcript variants encoding distinct isoforms. These isoforms are grouped into two categories, NFAR-1 or NFAR-2, based on variation at the C-terminus. [provided by RefSeq, Mar 2013]