

Product datasheet for **MR231373**

Ilf3 (NM_001277322) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf3 (NM_001277322) 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



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ORF Nucleotide Sequence:

>MR231373 representing NM_001277322
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCATTGTATCATCATCACTTTCATCACAAGAAGAAGAAGCGTCCCATGAGAATTTTTGTGAATGATG
 ATCGCCACGTGATGGCAAAGCATTCTTTCAGTGTACCCAACACAAGAGGAGCTGGAGGCTGTACAGAACAT
 GGTGTCCCATACTGAGCGGGCCCTGAAGGCTGTCTCTGACTGGATTGATGAGCAGGAGAAAGGCAACAGC
 GAGCTCTCTGAGGCAGAAAATATGGACACACCCCCAGACGATGAGAGCAAAGAAGGGGCTGGGGAACAGA
 AGGCGGAACACATGACTAGGACCCTGAGGGCGTGTGCGGGTGGCCTGGTAGCCAAGGGTCTTCTGCT
 CAAGGGGGACTTGGATCTGGAGCTGGTTCTGCTCTGTAAGGAGAAGCCACAACCCCTTCTGGACAAG
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 TGTTGTACAGAGAAGAAATGGAGAAAGTATTAGCTGGAGAAACGCTATCAGTCAACGATCCCCGGACGTT
 CTGGACAGGCAGAAATGCCTTGCTGCCTTGGCGTCCCTCCGACAGCCAAAGTGGTTCCAGGCCAGAGCCA
 ATGGACTGAAGTCATGTGTCATTGTCTATCCGTGTCTTAAGGGACTTGTGTACCCGAGTGCCACCTGGGG
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 GCTGGTGAAGCCCTGCGGAGAGTGTGGAGTGCCTGGCATCCGGCATCGTAATGCCAGATGGTTCTGGCA
 TTTATGACCCCTTGTAAGAAAGAGCCACTGATGCTATTGGGCATCTAGACAGACAGCAACGGGAAGATAT
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 CCCCTGCCTTCCAAAATGCCAAGAAACCAAGAACGAGAACCCGGTGGACTACTGTCAAATTCCTC
 CCAGCACCACTATGCTATCACACCCATGAAACGCCCTATGGAAGAGGATGGGGAGGAGAAGTCTCCCAC
 CAAGAAGAAAAAAGAGATCCAGAAGAAAGAGGAGAAGGCTGATCCTCCTCAAGCTATGAATGCCCTGATG
 AGGTTAAATCAGCTGAAGCCAGGCTGCACTACAAGCTGATCTCCAGACAGGCCCTGTTTATGCTCCCA
 TCTTACCATGTCTGTGGAGGTAGACGGCAGTAACTTCGAGGCCCTCGGGGCCATCTAAAAAGACTGCCAA
 GCTTATGTAGCTGTGAAGGTGTACAGGACATGGGCTTGCCAACAGGCGCTGAAGGCAGAGACTCCAGC
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 CTGTCTCAACCCAGTCTGTCTTCCCTTCAAGTGCCTACTGAGCAGGACCGATTTTACTAAGCA
 TGGCAAGAACCCTGTTATGGAGCTTAATGAGAAGAGACGTGGCCTCAAATATGAGCTCATTCTGAGACG
 GGGGGCAGCCACGACAAAAGTTTGTATGGAGTTGAGGTGGACGGACAGAAGTTTCAAGTGTGGTT
 CAAACAAAAGGTGGCAAAGGCTTATGCTGCACCTGCGCATTAGAAAACTTTTCCCTGATACCCCTCT
 TGCTCTTGAAGCCAACAAAAGAAAAGGACCCAGTACCTGTCCGAGGTGGACCCAAATTTGCTGCCAAG
 CCACACAACCCTGGTTTTGGCATGGGAGGCCCATGCATAATGAAGTGGCCACCTCCTAACATCCGAG
 GTCGGGGCGGAGGAGTAAACATCCGAGGGCGAGGACGGGGCGGAGGATTTGGTGGCGCAACCATGGAGG
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 CAACCTTACAACCAGAGCCAGTACAGCAGCTACGGCACGCCACAGGGCAAGCAGAAAGGCTATGGCCATG
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 AGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >MR231373 representing NM_001277322
 Red=Cloning site Green=Tags(s)

MALYHHHFITRRRRRPMRIFVNDDRHVMKHSVYPTQEELAVQNMVSHTERALKAVSDWIDEQEKGNS
 ELSEAENMDTPPDESKEGAGEQKAEHMTRTLRGVMRVGLVAKGLLLKGDLDLELVLLCCKEPTTALLDK
 VADNLAIQLTTVTEDKYEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVVREEMEKVLAGETLSVNDPPDV
 LDRQKCLAALASLRHAKWFQARANGLKSCVIVIRVLRDLCTRVPWTWGPLRGWPELELLCEKSIGTANRPMG
 AGEALRRVLECLASGIVMPDGSIGIYDPCKEATDAIGHLDRQQREDITQSAQHALLAAFGQLHKVVGMD
 PLPSKMPKPKKNENPVDTYVQIIPPSTTYAITPMKRPMEEDGEEKSPSKKKKIKQKKEEKADPPQAMNLM
 RLNQLKPLQYKLI SQTGPVHAPIFTMSVEVDGNSFEASGPSKKTAKLHVAVKVLQDMGLPTGAEGRDSS
 KGEDSAEESDGKPAIVAPPPVVEAVSNPSSVFPDATTEQGPILTKHGKNPVMELNEKRRGLKYELISET
 GGS HDKRFVMEVEVDGQKFQGAGSNKKVAKAYAALAALEKLPDTPLEANKKKRTPVPVVRGGPKFAAK
 PHNPGFGMGGPMHNEVPPPPNIRGRGRGNIRGRGRGFGGANHGGGYMNAGAGYGSYGYSSNSATAGY
 SQFY SNGHSGNAGGGGSGGGSSSYSSYYQGDSYNSPVPKHKAGKPLHGGQQKASYSSGYQSHGQQQ
 QPYNQSQYSSYGTQGGKQKGYGHGQGSYSSYSNSYNSPGGGGSDYSYDKFNYSGGSRSGGNSYSSG
 SSSYNTGSHGGYGTGSGGSSSYQGGYSSQSNYSSPGSSQSYSGPASSYQSSQGGYSRNTEHSMNYQY
 R

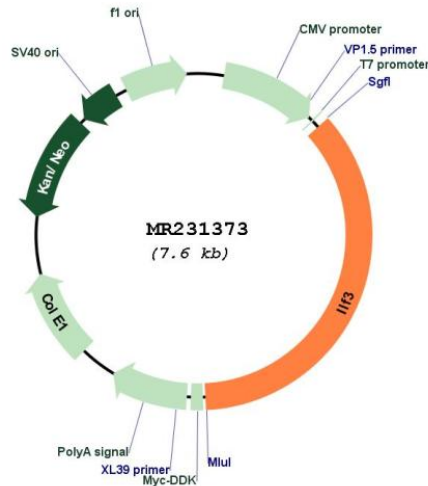
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001277322

ORF Size: 2733 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_001277322.1](#), [NP_001264251.1](#)

RefSeq Size: 3531 bp

RefSeq ORF: 2736 bp

Locus ID: 16201

UniProt ID: [Q9Z1X4](#)

Cytogenetics: 9 7.78 cM

MW: 98.2 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]