

Product datasheet for **MR224221**

Ilf3 (NM_010561) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf3 (NM_010561) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ilf3
Synonyms:	MBII-26; MPHOSPH4; NF9; NF90; NFAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224221 representing NM_010561
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCATTGTATCATCATCACTTTCATCACAAGAAGAAGAAGGCGTCCCATGAGAATTTTTGTGAATGATG
 ATCGCCACGTGATGGCAAAGCATTCTTCAGTGTACCCAACACAAGAGGAGCTGGAGGCTGTACAGAACAT
 GGTGTCCCATACTGAGCGGGCCCTGAAGGCTGTCTCTGACTGGATTGATGAGCAGGAGAAAGGCAACAGC
 GAGCTCTCTGAGGCAGAAAAATGGACACACCCCCAGACGATGAGAGCAAAGAAGGGGCTGGGGAACAGA
 AGGCGGAACACATGACTAGGACCCTGAGGGGCGTGATGCGGGTCGGCCTGGTAGCCAAGGGTCTTCTGCT
 CAAGGGGGACTTGGATCTGGAGCTGGTTCTGCTCTGTAAGGAGAAGCCACAACCCCTTCTGGACAAG
 GTGGCTGACAACCTGGCCATCCAGCTCACTACTGTAACAGAAGACAAGTATGAAATACTCCAGTCTGTGG
 ATGATGCTGCGATTGTGATAAAAAACACAAAAGAGCCCCCTTGTCTTGACCATCCATCTGACCTCCCC
 TGTTGTACAGAGAAGAAATGGAGAAAGTATTAGCTGGAGAAACGCTATCAGTCAACGATCCCCGGACGTT
 CTGGACAGGCAGAAATGCCTTGCTGCCTTGGCGTCCCTCCGACACGCCAAGTGGTTCCAGGCCAGAGCCA
 ATGGACTGAAGTCATGTGTCATTGTTCATCCGTGTCTTAAGGGACTTGTGTACCCGAGTGCCACCTGGGG
 TCCCTCAGAGGATGGCCTCTGGAGCTGCTGTGTGAGAAGTCCATCGGCACTGCCAATAGGCCAATGGGT
 GCTGGTGAAGCCCTGCGGAGAGTGTGGAGTGCCTGGCATCCGGCATCGTAATGCCAGATGGTTCTGGCA
 TTTATGACCCCTTGTGAAAAAGAAGCCACTGATGCTATTGGGCATCTAGACAGACAGCAACGGGAAGATAT
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 CCCCTGCCTTCCAAAATGCCAAGAAACCAAGAACGAGAACCCGGTGGACTACACTGTTCAAATTCCTC
 CCAGCACACCTATGCTATCACACCCATGAAACGCCCTATGGAAGAGGATGGGGAGGAGAAGTCTCCCAC
 CAAGAAGAAAAAGAAGATCCAGAAGAAAGAGGAGAAGGCTGATCCTCCTCAAGCTATGAATGCCCTGATG
 AGGTTAAATCAGCTGAAGCCAGGCTGCACTACAAGTGTCTCCAGACAGGCCCTGTTTCATGCTCCCA
 TCTTACCATGTCTGTGGAGGTAGACGGCAGTAACTTCGAGGCCCTCGGGGCCATCTAAAAAGACTGCCAA
 GCTTATGTAGCTGTGAAGGTGTACAGGACATGGGCTTGCCAACAGGCGCTGAAGGCAGAGACTCCAGC
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 CTGTCTCAACCCAGTCTGTCTTCCCTTCAAGTGCCTACTGAGCAGGACCGATTTGACTAAGCA
 TGGCAAGAACCCTGTTATGGAGCTTAATGAGAAGAGACGTGGCCTCAAATATGAGCTCATTCTGAGACG
 GGGGGCAGCCACGACAAAAGTTTGTATGGAGTTGAGGTGGACGGACAGAAGTTTCAAGTGTGGTT
 CAAACAAAAGGTGGCAAAGGCTTATGCTGCACCTGCGCATTAGAAAACTTTTCCCTGATACCCCTCT
 TGCTCTTGAAGCCAACAAAAGAAAAGGACCCAGTACCTGTCCGAGGTGGACCCAAATTTGCTGCCAAG
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 GTCGGGGCGGAGGAGTAAACATCCGAGGGCGAGGACGGGGCGAGGATTTGGTGGCGCAACCATGGAGG
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 GAAGCCGCTGCATGGGGCCAGCAGAAAGCCTCCTACAGCTCGGGCTACCAGTCCCACAGGGCCAGCAG
 CAACCTTACAACCAGAGCCAGTACAGCAGCTACGGCACGCCACAGGGCAAGCAGAAAGGCTATGGCCATG
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 CTACGACAGCAAATCAACTACAGTGGGAGTGGAGGCCGAGTGGAGGCAACAGCTATGGCTCCAGCGGG
 TCATCGTCTACAACACAGGCTCACATGGAGGCTATGGCACAGGCTCCGGAGGCAGCTCTTCATACCAAG
 GCAAACAAGGAGGCTACTCATCACAGTCAAACCTACAGCTCACCTGGGTCCAGCCAGAGCTACAGTGGTCC
 TGCCAGCTCCTACCAGTCTCACAGGTTGGCTACAGTCGGAACACAGAGCACAGCATGAACCTACCAGTAC
 AGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >MR224221 representing NM_010561
Red=Cloning site Green=Tags(s)

MALYHHHFITRRRRRPMRIFVNDDRHVMKHSVYPTQEELAVQNMVSHTERALKAVSDWIDEQEKGNS
 ELSEAENMDTPPDESKEGAGEQKAEHMTRTLRGVMRVGLVAKGLLLKGDLDLELVLLCCEKPTTALLDK
 VADNLAIQLTTVTEDKYEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVVREEMEKVLAGETLSVNDPPDV
 LDRQKCLAALASLRHAKWFQARANGLKSCVIVIRVLRDLCTRVPWTWGPLRGWPELLLCEKSIGTANRPMG
 AGEALRRVLECLASGI VMPDGS GIYDPCEKEATDAIGHLDRQQREDITQSAQHALLAAFGQLHKVLGMD
 PLPSKMPKPKNENPVDTYVQIIPPSTTYAITPMKRPMEEDGEEKSPSKKKKIKQKKEEKADPPQAMNLM
 RLNQLKPLQYKLI SQTGPVHAPIFTMSVEVDGSNFEASGPSKKTAKLHVAVKVLQDMGLPTGAEGRDSS
 KGEDSAEESDGKPAIVAPPPVVEAVSNPSSVFPDATTEQGPILTKHGKNPVMELEKRRGLKYELISET
 GGS HDKRFVMEVEVDGQKFQGAGSNKKVAKAYAALAALEKLPDTPLEANKKKRTPVPVVRGGPKFAAK
 PHNPGFGMGGPMHNEVPPPNIRGRGRGNIRGRGRGFGGANHGGGYMNAGAGYGSYGYSSNSATAGY
 SQFY SNGHSGNAGGGGGGGSSSYSSYYQGDSYNSPVPKHKAGKPLHGGQQKASYSSGYQSHGQQQ
 QPYNQSQYSSYGT PQGKQKGYGHGQGSYSSYNSYNSPVGSGGSDYSYDKFNYSGSGRSGGNSYSSG
 SSSYNTGSHGGYGTGSGGSSSYQKQGGYSSQSNYSSPGSSQSYSGPASSYQSSQGGYSRNTEHSMNYQY
 R

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

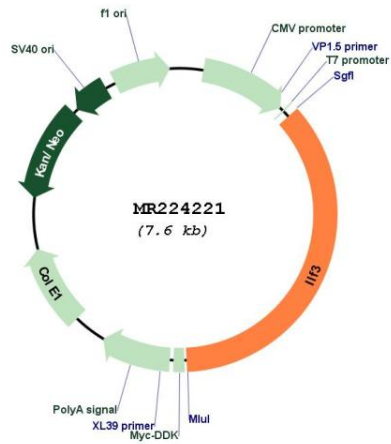


ACCN: NM_010561

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:	<ol style="list-style-type: none">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_010561.3 , NP_034691.2
RefSeq Size:	3457 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]

Product images:



Circular map for MR224221