

Product datasheet for **MR224636**

Ilf3 (NM_001042707) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf3 (NM_001042707) 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:

>MR224636 representing NM_001042707
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGTCCCATGAGAATTTTTGTGAATGATGATCGCCACGTGATGGCAAAGCATTCTTCAGTGTACCCAA
 CACAAGAGGAGCTGGAGGCTGTACAGAACATGGTGTCCCATACTGAGCGGGCCCTGAAGGCTGTCTCTGA
 CTGGATTGATGAGCAGGAGAAAGCAACAGCGAGCTCTCTGAGGCAGAAAATATGGACACACCCCCAGAC
 GATGAGAGCAAAGAAGGGGCTGGGGAACAGAAGGCGGAACACATGACTAGGACCCCTGAGGGGCGTGATGC
 GGGTCGGCCTGGTAGCCAAGGGTCTTCTGCTCAAGGGGGACTTGGATCTGGAGCTGGTTCTGCTCTGTAA
 GGAGAAGCCACAACCGCCCTTCTGGACAAGGTGGCTGACAACCTGGCCATCCAGCTCACTACTGTAAACA
 GAAGACAAGTATGAAATACTCCAGTCTGTGGATGATGCTGCGATTGTGATAAAAAACACAAAAGAGCCCC
 CCTTGTCTTGGACATCCATCTGACCTCCCTGTTGTGACAGAGAAGAAATGGAGAAAGTATTAGCTGGAGA
 AACGCTATCAGTCAACGATCCCCGGACGTTCTGGACAGGCAGAAATGCCTTGTGCCTTGGCGTCCCTC
 CGACACGCCAAGTGGTCCAGGCCAGAGCCAATGGACTGAAGTCATGTGTCATTGTCATCCGTGTCTTAA
 GGGACTTGTGTACCCGAGTGCCACCTGGGGTCCCTCAGAGGATGGCCTCTGGAGCTGTGTGTGAGAA
 GTCCATCGGCACTGCCAATAGGCCAATGGGTGCTGGTGAAGCCCTGCGGAGAGTGTGGAGTGCCTGGCA
 TCCGGCATCGTAATGCCAGATGGTCTGGCATTATGACCCTTGTGAAAAAGAAGCCACTGATGCTATTG
 GGCATCTAGACAGACAGCAACGGGAAGATATCACACAGAGTGCAGCAGCATGCTCTGCGGCTTGTGCCTT
 TGGTCAACTCCATAAAGTACTGGGAATGGACCCCTGCCTTCCAAAATGCCAAGAAACCAAGAACGAG
 AACCCGGTGGACTACACTGTTCAAATTCCTCCAGCACCACCTATGCTATCACACCATGAAACGCCCTA
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 TGATCCTCCTCAAGCTATGAATGCCCTGATGAGGTTAAATCAGCTGAAGCCAGGGCTGCAGTACAAGCTG
 ATCTCCAGACAGGCCCTGTTATGCTCCCATCTTACCATGTCTGTGGAGGTAGACGGCAGTAACTTCG
 AGGCCTCGGGGCCATCTAAAAAGACTGCCAAGCTTCTATGTAGCTGTGAAGGTGTTACAGGACATGGGCTT
 GCCAACAGGCGCTGAAGGCAGAGACTCCAGCAAGGGGAAGACTCCGCTGAGGAGTCCAGTGGGAAGCCA
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 CTACTGAGCAGGGACCGATTTTACTAAGCATGGCAAGAACCCTGTTATGGAGCTTAATGAGAAGAGACG
 TGGCCTCAAATATGAGCTCATTTCTGAGACGGGGGCGAGCCACGACAAAAGGTTTGTATGGAGGTTGAG
 GTGGACGGACAGAAGTTCAAGGTGCTGGTTCAAACAAAAGGTGGCAAAGGCTTATGCTGCACTTGCCG
 CATTAGAAAAACTTTTCCCTGATACCCCTTGTCTTGAAGCCAACAAAAGAAAAGGACCCAGTACC
 TGTCCGAGGTGGACCAATTTGCTGCCAAGCCACACAACCCTGGTTTTGGCATGGGAGGCCCATGCAT
 AATGAAGTGCCGCCACCTCCTAACATCCGAGGTGCGGGCCGAGGAGGTAACATCCGAGGGCGAGGACGGG
 GGCGAGGATTTGGTGGGCCAACCATGGAGGAGGCTACATGAATGCTGGTGTGGATATGGAAGCTATGG
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 ACTCACCAGTACCCCGAAGCATGCTGGGAAGAAGCCGCTGCATGGGGCCAGCAGAAAGCCTCCTACAG
 CTCGGGCTACCAGTCCCACCAGGGCCAGCAGCAACCTTACAACCAGAGCCAGTACAGCAGTACGGCAACG
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 CCCAGGTGGTGGTGGGGCTCTGACTACAGCTACGACAGCAAATTCAACTACAGTGGGAGTGGAGGCCG
 GAGTGGAGGCAACAGCTATGGCTCCAGCGGGTCACTCGTCTACAACACAGGCTCAGTGGAGGCTATGGC
 ACAGGCTCCGGAGGCAGCTTTCATACCAAGGCAACAAGGAGGCTACTCATCACAGTCAAACCTACAGCT
 CACCTGGTCCAGCCAGAGCTACAGTGGTCTGCCAGCTCCTACCAGTCTCACAGGGTGGCTACAGTCG
 GAACACAGAGCACAGCATGAACTACCAGTACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224636 representing NM_001042707
 Red=Cloning site Green=Tags(s)

MRPMRIFVNDRRHVMMAKHSSVYPTQEELAVQNMVSHTERALKAVSDWIDEQEKGNSELSEANMDTPPD
 DESKEGAGEQKAEHMTRTLRGMVRLVAKGLLLKGLDLELVLLCKEPTTALLDKVADNLAIQLTTVT
 EDKYEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVVREEMEKVLAGETLSVNDPPDVLDRQKLAALASL
 RHAKWFQARANGLKSCVIVIRVLRDLCTRVPTWGPLRGWPLELLCEKISIGTANRPMGAGEALRRVLECLA
 SGIVMPDGGSGIYDPCEKEATDAIGHLDROQREDITQSAQHALLRAAFGQLHKVLMGMDPLPSKMPKPKNE
 NPVDYTVQIIPPSTTYAITPMKRPMEEEDGEKESPKKKKKIQKKEEKADPPQAMNALMRLNQLKPGLYQKL
 ISQTGVPVHAPIFTMSVEVDGSNFEASGPSKKTAKLHVAVKVLQDMGLPTGAEGRDSSKGEDSAEESDGKP
 AIVAPPPVVEAVSNPSSVFPDATTEQGPILTKHGKNPVMELNEKRRGLKYELISETGGSHDKRFVMEVE
 VDGKQFQGAGSNKKVAKAYAALAALAEKLPDTPALALEANKKRTVPVVRGGPKFAAKPHNPGFGMGPMH
 NEVPPPNIRGRGRGNIRGRGRGRGGANHGGGYMAGAGYGSYGYSSNSATAGYSQFYSNNGHSGNA
 GGGGGGGGGSSSYSSYQGDSPVPPKHAGKKPLHGGQKASYSYSGYQSHGQQQPPYNSQYSYGT
 PQGKQKGYGHGQGSYSSYNSYNSPGGGGSDYSYDYSKFNYSYSGSGRSGGNSYSSGSSSYNTGSHGGY
 TSGGGSSSYQKQGGYSSQSNYSSPSSQSYSGPASSYQSSQGGYSRNTHESMNYQYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

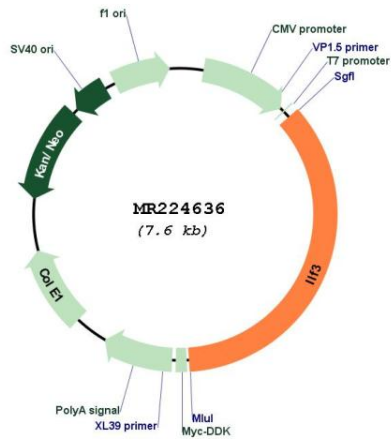
Cloning Scheme:



ACCN: NM_001042707

ORF Size:	2694 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_001042707.2 , NP_001036172.1
RefSeq Size:	3418 bp
RefSeq ORF:	2697 bp
Locus ID:	16201
UniProt ID:	Q9Z1X4
Cytogenetics:	9 7.78 cM
MW:	96.5 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 MR224636