

Product datasheet for **MG224229**

Ilf3 (NM_001042709) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf3 (NM_001042709) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ilf3
Synonyms:	MBII-26; MPHOSPH4; NF9; NF90; NFAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG224229 representing NM_001042709
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTCCCATGAGAATTTTTGTGAATGATGATCGCCACGTGATGGCAAAGCATTCTTCAGTGTACCCAA
 CACAAGAGGAGCTGGAGGCTGTACAGAACATGGTGTCCCATACTGAGCGGGCCCTGAAGGCTGTCTCTGA
 CTGGATTGATGAGCAGGAGAAAGCAACAGCGAGCTCTCTGAGGCAGAAAATATGGACACACCCCCAGAC
 GATGAGAGCAAAGAAGGGGCTGGGGAACAGAAGGCGGAACACATGACTAGGACCCGTAGGGGGCGTGATGC
 GGGTCGGCCTGGTAGCCAAGGTCTTCTGCTCAAGGGGGACTTGGATCTGGAGCTGGTTCTGCTCTGTAA
 GGAGAAGCCACAACCGCCCTTCTGGACAAGGTGGCTGACAACCTGGCCATCCAGCTCACTACTGTAAACA
 GAAGACAAGTATGAAATACTCCAGTCTGTGGATGATGCTGCGATTGTGATAAAAAACACAAAAGAGCCCC
 CCTTGTCTTGGACATCCATCTGACCTCCCTGTTGTGACAGAGAAGAAATGGAGAAAGTATTAGCTGGAGA
 AACGCTATCAGTCAACGATCCCCGGACGTTCTGGACAGGCAGAAATGCCTTGTGCCTTGGCGTCCCTC
 CGACACGCCAAGTGGTTCAGGCCAGAGCCAATGGACTGAAGTCATGTGTATTGTCATCCGTGTCTCTAA
 GGGACTTGTGTACCCGAGTGCCACCTGGGGTCCCTCAGAGGATGGCCTCTGGAGCTGCTGTGTGAGAA
 GTCCATCGGCACTGCCAATAGGCCAATGGGTGCTGGTGAAGCCCTGCGGAGAGTGTGGAGTGCCTGGCA
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 GGCATCTAGACAGACAGCAACGGGAAGATATCACACAGAGTGCAGCAGCATGCTCTGCGGCTTGTGCCTT
 TGGTCAACTCCATAAAGTACTGGGAATGGACCCCTGCCTTCCAAAATGCCAAGAAACCAAGAACGAG
 AACCCGGTGGACTACACTGTTCAAATTCCTCCAGCACCACCTATGCTATCACACCATGAAACGCCCTA
 TGAAGAGGATGGGGAGGAGAAGTCTCCAGCAAGAAGAAAAGAAAGATCCAGAAGAAAGAGGAGAAGGC
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 GCAATAGTGGCCCCACCCCTGTGGTGAAGCTGTCTCCAACCCAGTTCTGTCTCCCTTCAGATGCCA
 CTACTGAGCAGGGACCGATTTTACTAAGCATGGCAAGAACCCTGTTATGGAGCTTAATGAGAAGAGACG
 TGGCCTCAAATATGAGCTCATTTCTGAGACGGGGGCAGCCACGACAAAAGGTTTGTATGGAGGTTGAG
 GTGGACGGACAGAAGTTCAAGGTGCTGGTTCAAACAAAAGGTGGCAAAGGCTTATGCTGCACTTGCCG
 CATTAGAAAAACTTTTCCCTGATACCCCTTGTCTTGAAGCCAACAAAAGAAAAGGACCCCACTACC
 TGTCCGAGGTGGACCAATTTGCTGCCAAGCCACACAACCCTGGTTTTTGGCATGGGAGGCCCATGCAT
 AATGAAGTGCCGCCACCTCCTAACATCCGAGGTCGGGGCCGAGGAGGTAACATCCGAGGGCGAGGACGGG
 GGCGAGGATTTGGTGGCGCCAACCATGGAGGAGGCTACATGAATGCTGGTGTGGATATGGAAGCTATGG
 GTACAGCAGCAATTCGGCCACAGCAGGCTACAGTACTTTTTACAGACTGCTACGGCTATCATGATTTT
 GGGGCTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG224229 representing NM_001042709
 Red=Cloning site Green=Tags(s)

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MRPMRIFVNDRRHVMMAKSSVYPTQEELAVQNMVSHTERALKAVSDWIDEQEKGNSELSEANMDTPPD
DESKEGAGEQKAEHMTRTLRGVMRVGLVAKGLLLKGDLDLELVLLCKEKPPTALLDKVADNLAIQLTTVT
EDKYEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVVREEMEKVLAGETLSVNDPPDVLDRQKLAALASL
RHAKWFQARANGLKSCVIVIRVLRDLCTRVPTWGPLRGWPLELLCEKSIGTANRPMGAGEALRRVLECLA
SGIVMPDGSIGIYDPCEKEATDAIGHLDROREDITQSAQHALLRLAAFQGLHKVLGMDPLPSKMPKPKNE
NPVDYTVQIIPPSTTYAITPMKRPMEEDGEEKSPSKKKKIKKKEEKADPPQAMNALMRLNQLKPGLYKL
ISQTGPVHAPIFTMSVEVDGSNFEASGSKTAKLHVAVKVLQDMGLPTGAEGRDSSKGEDSAEESDGKP
AIVAPPPVVEAVSNPSSVFPSDATTEQGPILTKHGKNPVMELNEKRRGLKYELISETGGSHDKRFVMEVE
VDGQKFQAGSNKKVAKAYAALAALAEKLPDTPLEANKKKRTPVVRGGPKFAAKPHNPFGMGGPMH
NEVPPPNIRGRGRGNIIRGRGRGRGFGGANHGGGYMAGAGYGSYGYSSNSATAGYSDFFDTCYGYHDF
GAS
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042709

ORF Size: 2109 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_001042709.2](#), [NP_001036174.1](#)

RefSeq Size: 3606 bp

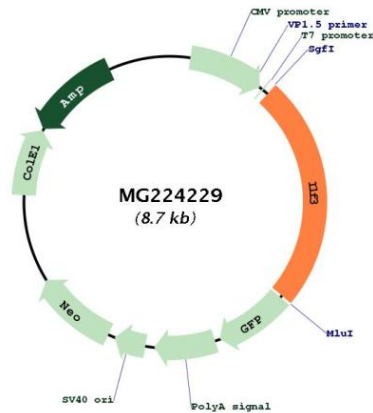
RefSeq ORF: 2112 bp

Locus ID: 16201

Cytogenetics: 9 7.78 cM

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 MG224229