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Product datasheet for MR210237

Ilf3 (NM_001042708) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf3 (NM_001042708) 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)

View online »

ORF Nucleotide Sequence:

>MR210237 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATTGTATCATCATCACTTCATCACAAGAAGAAGAAGGCGTCCCATGAGAATTTTTGTGAATGACG
ATCGCCACGTGATGGCAAAGCATTCTTCAGTGTACCCAACACAAGAGGAGCTGGAGGCTGTACAGAACAT
GGTGTCCCATACTGAGCGGGCCCTGAAGGCTGTCTCTGACTGGATTGATGAGCAGGAGAAAGGCAACAGC
GAGCTCTCTGAGGCAGAAAATATGGACACACCCCCAGACGATGAGAGCAAAGAAGGGGCTGGGGAACAGA
AGGCGGAACACATGACTAGGACCCTGAGGGGCGTGATGCGGGTCGGCCTGGTAGCCAAGGGTCTTCTGCT
CAAGGGGGACTTGGATCTGGAGCTGGTTCTGCTCTGTAAGGAGAAGCCCACAACCGCCCTTCTGGACAAG
GTGGCTGACAACCTGGCCATCCAGCTCACTACTGTAACAGAAGACAAGTATGAAATACTCCAGTCTGTGG
ATGATGCTGCGATTGTGATAAAAAACACAAAAGAGCCCCCCTTGTCCTTGACCATCCATCTGACCTCCCC
TGTTGTCAGAGAAGAAATGGAGAAAGTATTAGCTGGAGAAACGCTATCAGTCAACGATCCCCCGGACGTT
CTGGACAGGCAGAAATGCCTTGCTGCCTTGGCGTCCCTCCGACACGCCAAGTGGTTCCAGGCCAGAGCCA
ATGGACTGAAGTCATGTGTCATTGTCATCCGTGTCCTAAGGGACTTGTGTACCCGAGTGCCCACCTGGGG
TCCCCTCAGAGGATGGCCTCTGGAGCTGCTGTGTGAGAAGTCCATCGGCACTGCCAATAGGCCAATGGGT
GCTGGTGAAGCCCTGCGGAGAGTGCTGGAGTGCCTGGCATCCGGCATCGTAATGCCAGATGGTTCTGGCA
TTTATGACCCTTGTGAAAAAGAAGCCACTGATGCTATTGGGCATCTAGACAGACAGCAACGGGAAGATAT
CACACAGAGTGCGCAGCATGCTCTGCGGCTTGCTGCCTTTGGTCAACTCCATAAAGTACTGGGAATGGAC
CCCCTGCCTTCCAAAATGCCCAAGAAACCAAAGAACGAGAACCCGGTGGACTACACTGTTCAAATTCCTC
CCAGCACCACCTATGCTATCACACCCATGAAACGCCCTATGGAAGAGGATGGGGAGGAGAAGTCTCCCAG
CAAGAAGAAAAAGAAGATCCAGAAGAAAGAGGAGAAGGCTGATCCTCCTCAAGCTATGAATGCCCTGATG
AGGTTAAATCAGCTGAAGCCAGGGCTGCAGTACAAGCTGATCTCCCAGACAGGCCCTGTTCATGCTCCCA
TCTTCACCATGTCTGTGGAGGTAGATGGCAGTAACTTCGAGGCCTCGGGGCCATCTAAAAAGACTGCCAA
GCTTCATGTAGCTGTGAAGGTGTTACAGGACATGGGCTTGCCAACAGGCGCTGAAGGCAGAGACTCCAGC
AAGGGGGAAGACTCCGCTGAGGAGTCAGATGGGAAGCCAGCAATAGTGGCCCCACCCCCTGTGGTGGAAG
CTGTCTCCAACCCCAGTTCTGTCTTCCCTTCAGATGCCACTACTGAGCAGGGACCGATTTTGACTAAGCA
TGGCAAGAACCCTGTTATGGAGCTTAATGAGAAGAGACGTGGCCTCAAATATGAGCTCATTTCTGAGACG
GGGGGCAGCCACGACAAAAGGTTTGTTATGGAGGTTGAGGTGGACGGACAGAAGTTTCAAGGTGCTGGTT
CAAACAAAAAGGTGGCAAAGGCTTATGCTGCACTTGCCGCATTAGAAAAACTTTTCCCTGATACCCCTCT
TGCTCTTGAAGCCAACAAAAAGAAAAGGACCCCAGTACCTGTCCGAGGTGGACCCAAATTTGCTGCCAAG
CCACACAACCCTGGTTTTGGCATGGGAGGACCCATGCATAATGAAGTGCCGCCACCTCCTAACATCCGAG
GTCGGGGCCGAGGAGGTAACATCCGAGGGCGAGGACGGGGGCGAGGATTTGGTGGCGCCAACCATGGAGG
AGGCTACATGAATGCTGGTGCTGGATATGGAAGCTATGGGTACAGCAGCAATTCGGCCACAGCAGGCTAC
AGTGACTTTTTCACAGACTGCTACGGCTATCATGATTTTGGGGCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

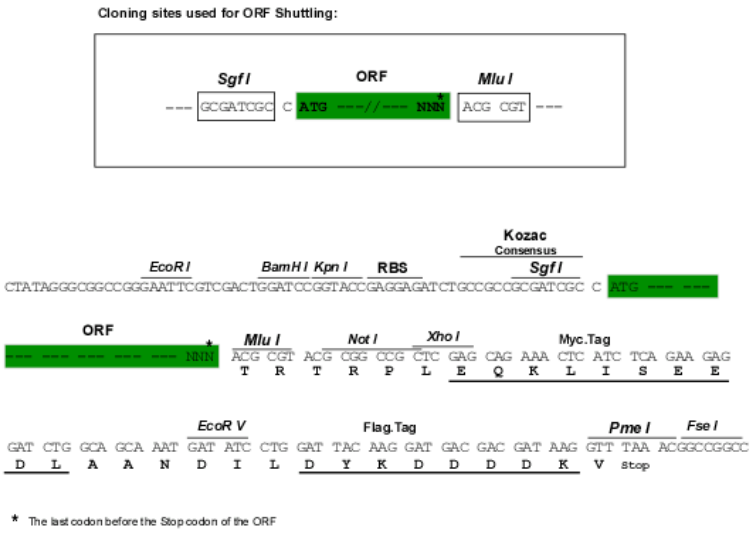
>MR210237 protein sequence
Red=Cloning site Green=Tags(s)

MALYHHHFITRRRRRPMRIFVNDDRHVMAKHSSVYPTQEELEAVQNMVSHTERALKAVSDWIDEQEKGNS
ELSEAENMDTPPDDESKEGAGEQKAEHMTRTLRGVMRVGLVAKGLLLKGDLDLELVLLCKEKPTTALLDK
VADNLAIQLTTVTEDKYEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVVREEMEKVLAGETLSVNDPPDV
LDRQKCLAALASLRHAKWFQARANGLKSCVIVIRVLRDLCTRVPTWGPLRGWPLELLCEKSIGTANRPMG
AGEALRRVLECLASGIVMPDGSGIYDPCEKEATDAIGHLDRQQREDITQSAQHALRLAAFGQLHKVLGMD
PLPSKMPKKPKNENPVDYTVQIPPSTTYAITPMKRPMEEDGEEKSPSKKKKKIQKKEEKADPPQAMNALM
RLNQLKPGLQYKLISQTGPVHAPIFTMSVEVDGSNFEASGPSKKTAKLHVAVKVLQDMGLPTGAEGRDSS
KGEDSAEESDGKPAIVAPPPVVEAVSNPSSVFPSDATTEQGPILTKHGKNPVMELNEKRRGLKYELISET
GGSHDKRFVMEVEVDGQKFQGAGSNKKVAKAYAALAALEKLFPDTPLALEANKKKRTPVPVRGGPKFAAK
PHNPGFGMGGPMHNEVPPPPNIRGRGRGGNIRGRGRGRFGGANHGGGYMNAGAGYGSYGYSSNSATAGY
SDFFTDCYGYHDFGAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042708

ORF Size: 2151 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_001042708.1, NM_001042708.2, NP_001036173.1

RefSeq Size: 3777 bp

RefSeq ORF: 2151 bp

Locus ID: 16201

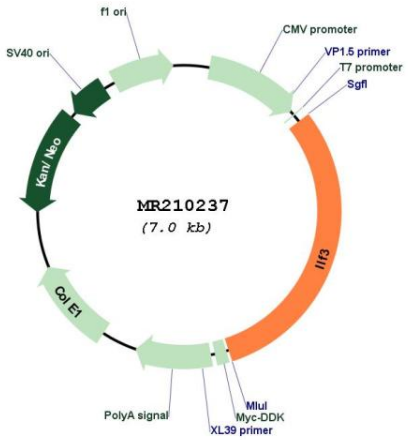
UniProt ID: Q9Z1X4

Cytogenetics: 9 7.78 cM

MW: 78.1 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 MR210237