

## Product datasheet for **MR206085**

### Ilf2 (NM\_026374) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf2 (NM_026374) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ilf2
Synonyms:	6230405A16Rik; TEG-267; Tex261; Tex267
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206085 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGGGTGACAGAGGACGTGGTCGTGGTGGCGCTTTGGTTCCAGAGGAGGCCTGGTGGAGGGTTCA  
GGCCTTTTGTGCCCCATATCCCATTGATTTTTATTTGTGTGAAATGGCTTTTCCCCGGTCAAGCCAGC  
ACCTGATGAGACCTCCTCAGTGAAGCCTTGCTGAAGAGGAATCAAGACCTTGCCCTAATTCTGCTGAG  
CAGGCTTCCATCCTTTTGGTGACAAAATCAACAATGTGATTGACAACCTTGATTGTGGCCCCAGGAA  
CATTTGAAGTGCAAATTGAAGAAGTCCGGCAGGTAGGATCATATAAAAAGGGAACAATGACTACAGGACA  
CAATGTGGCTGACTGGTGGTAATACTAAAGATCCTGCCAACATTGGAAGCTGTTGCTGCCCTGGGGAAC  
AAAGTCGTGAAAAGCCTAAGGGCACAGGATCCCTCAGAAGTTTGACCATGCTGACTAATGAAACTGGCT  
TTGAAATTAGCTCTTCTGATGCTACGGTGAAAATTCTCATTACAACAGTGCCCCCAATCTCCGAAAAC  
GGATCCAGAACTCCATTTGGACATCAAGGTGTTGCAGAGCGCCTTAGCAGCCATCCGGCATGCCCGCTGG  
TTTGAAGAGAACGCTTCTCAGTCCACAGTTAAAGTTCTCATAAGATTGCTAAAGGACTTACGGATTCTGT  
TTCCTGGCTTTGAGCCTCACACCCTGGATCCTTGACCTACTGGGCACTATGCTGTAATGAACAACCC  
CACCAGACAGCCTTTGGCCCTGAATGTGGCTTACAGGCGCTGCTGCAGATTCTGGCTGCAGGACTGTT  
TTGCCTGGGTGAGTGGGATCACTGACCCGTGTGAGAGTGGCACTTCAAGGTACACACAGTTATGACCC  
TAGAACAAACAGGATATGGTCTGCTACACAGCTCAGACTCTGGTTGCAATTCTCTCCATGGAGGCTTTAG  
GAAGATCCTTGGCCAGGAGGGGGATGCCAGCTATCTTGTCTTGAATATCTACCTGGGATGGAGTGATT  
GTGACACCCTCAGAAAAGGCTTATGAGAAGCCACCTGAGAAGAAGGAGGGGGAGGAAGAGGAGGAGAACA  
CAGAAGAACCACCTCAAGGAGAAGAAGAAGAAGCATGGAGACTCAGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206085 protein sequence  
Red=Cloning site Green=Tags(s)

MRGDRGRGRGRFGSRGGPGGGFRPFVPHIPDFYLCEMAFPRVKPADETSFSEALLKRNQDLAPNSAE  
 QASILSLVTKINNVIDNLIIVAPGTFEVQIEEVQVGSYKGTMTTGHNVADLVVILKILPTLEAVAALGN  
 KVVESLRAQDPSEVL TMLTNETGFEISSDATVKILITTVPPNLRKLDPELHLDIKVLQSALAAIRHARW  
 FEENASQSTVKVLIRLLKDLRIRFPGFPELTPWILDLLGHYAVMNNPTROPLALNVAYRRLQILAAGLF  
 LPGSVGITDPCESGNFRVHTMLEQQDMVCYTAQTLVRLILSHGGFRKILGQEGDASYLASEISTWDGVI  
 VTPSEKAYEKPEKKEGEEEEENTEPPQEEEEEMETQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_026374

**ORF Size:** 1173 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\\_026374.3](#), [NP\\_080650.1](#)

**RefSeq Size:** 1973 bp

**RefSeq ORF:** 1173 bp

**Locus ID:** 67781

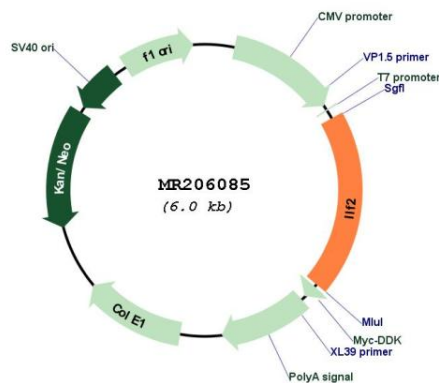
**UniProt ID:** [Q9CXY6](#)

**Cytogenetics:** 3 F1

**MW:** 43.1 kDa

**Gene Summary:** Appears to function predominantly as a heterodimeric complex with ILF3. This complex may regulate transcription of the IL2 gene during T-cell activation. It can also promote the formation of stable DNA-dependent protein kinase holoenzyme complexes on DNA (By similarity). Essential for the efficient reshuttling of ILF3 into the nucleus (By similarity). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR206085