

Product datasheet for **MG206085**

Ilf2 (NM_026374) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf2 (NM_026374) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ilf2
Synonyms:	6230405A16Rik; TEG-267; Tex261; Tex267
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206085 representing NM_026374 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGGTGACAGAGGACGTGGTCGTGGTGGGCGCTTTGGTTCCAGAGGAGGGCCTGGTGGAGGGTTCA
GGCCTTTTGTGCCCCATATCCCATTGATTTTTATTTGTGTGAAATGGCTTTCCCGGGTCAAGCCAGC
ACCTGATGAGACCTCCTTCAGTGAAGCCTTGCTGAAGAGGAATCAAGACCTTGCCCTAATTCTGCTGAG
CAGGCTTCCATCCTTTCTTTGGTGACAAAATCAACAATGTGATTGACAACCTGATTGTGCCCCAGGAA
CATTTGAAGTGCAAATTGAAGAAGTCCGGCAGGTAGGATCATATAAAAAGGGAACAATGACTACAGGACA
CAATGTGGCTGACCTGGTGGTAATACTAAAGATCCTGCCAACATTGGAAGCTGTTGCTGCCCTGGGGAAC
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GGATCCAGAACTCCATTTGGACATCAAGGTGTTGCAGAGCGCCTTAGCAGCCATCCGGCATGCCCGCTGG
TTTGAAGAGAACGCTTCTCAGTCCACAGTTAAAGTTCTCATAAGATTGCTAAAGGACTTACGGATTGCTT
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CACCAGACAGCCTTTGGCCCTGAATGTGGCTTACAGGCGCTGCTGCAGATTCTGGCTGCAGGACTGTTCC
TTGCCCTGGGTGAGTGGGCATCACTGACCCGTGTGAGAGTGGAACCTCAGGGTACACACAGTTATGACCC
TAGAACAAACAGGATATGGTCTGCTACACAGCTCAGACTCTGGTTTCAATTCTCTCCATGGAGGCTTTAG
GAAGATCCTTGGCCAGGAGGGGGATGCCAGCTATCTTGCTTCTGAAATATCTACCTGGGATGGAGTGATT
GTGACACCCTCAGAAAAGGCTTATGAGAAGCCACCTGAGAAGAAGGAGGGGGAGGAAGAGGAGGAGAACA
CAGAAGAACCACCTCAAGGAGAAGAAGAAGAAAGCATGGAGACTCAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206085 representing NM_026374
 Red=Cloning site Green=Tags(s)

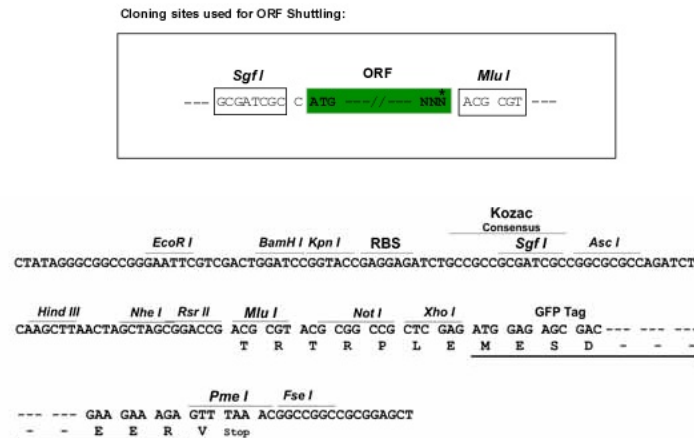
MRGDRGRGRGRFGSRGGPGGGFRPFVPHIPDFYLCMAFPRVKPAPDETSFSEALLKRNQDLAPNSAE
 QASILSLVTKINNVIDNLIVAPGTFEVQIEEVQVGSYKKGTTGHNVDLVLKILPTLEAVALGN
 KVVESLRAQDPSEVL TMLTNETGFEISSSDATVKILITVPPNLRKLDPELHLDIKVLQSALAAIRHARW
 FEENASQSTVKVLIIRLLKDLIRFPGFPELTPWILDLLGHYAVMNNPTRQPLALNVAYRRCLQILAAGLF
 LPGSVGITDPCESGNFRVHTVMTLEQQDMVCYTAQTLVRILSHGGFRKILGQEGDASYLASEISTWDGVI
 VTPSEKAYEKPEKKEGEEEEENTEEPQGEESMETQE

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_026374

ORF Size: 1170 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_026374.3](#), [NP_080650.1](#)

RefSeq Size: 1973 bp

RefSeq ORF: 1173 bp

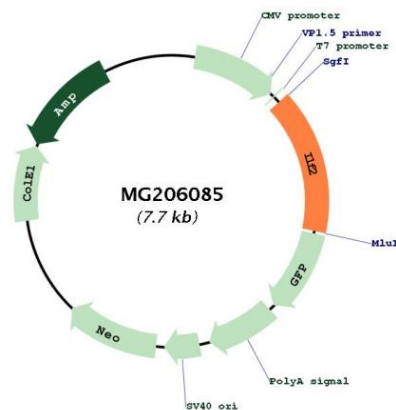
Locus ID: 67781

UniProt ID: [Q9CXY6](#)

Cytogenetics: 3 F1

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 MG206085