

Product datasheet for **RR203617**

Ilf2 (NM_001047886) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf2 (NM_001047886) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ilf2
Synonyms:	Ab1-143
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR203617 representing NM_001047886
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTTCTACCCACCTTACCTCAACTACACTACCTGACTGCTATAGGAGCCTGATTGTAACTCTGAGC
 TGGGTAGCAGTGCCTCATGGACCTGAATAGTCCTTCTTCTCTATCCCCTCCTCCACACACCAGCGGA
 CAAAGGTACACTTTGCACGTATCAGGCAGCACTGGGAAAGGTGTATGCCAGCCTTGAGGTATCGGAGTT
 GGAGATGACAAGCTGCAGGCTGTACATGGTCTCAATGGTGGCAAACCTCACAGGGACATCCTTGGGAGCC
 GTATCACCAGACCAACAGGCATCAAACCCCTGTGCTTACCACGGCACATCTTAGCATATGATTGGCTGGC
 TCAAAGTCTTCTGGCATAGTTATTGGCAGCATCTCCCTTGCCATAATGAGCTTCTCATGATGGAAAAG
 CTGAAGGGGTTTCAGGCCTTTGTGCCCCACATCCCCTTGATTTCTATTTGTGTGAAATGGCTTTTCCC
 GGGTCAAACCAGCACCTGATGAGACCTCCTTCAGTGAAGCCTTGTGAAGAGGAATCAAGACCTTGCCCC
 CAATTCTGCTGAGCAGCAAATTTGAAGAAGTCCGACAGGTAGGATCATATAAAAAGGGGACAATGACTACA
 GGACACAATGTGGCTGACCTGGTGGTAATACTAAAGATTCGCCAACATTCTTGACCATGCTGACTAATG
 AAAGTGGCTTTGAAATTAGCTCTTCTGATGCTACGGTGAAAATTCTCATTACAACAGTGCCACCCAACT
 CCGGAACTGGACCCAGAATCCATTTGGACATCAAGGTGTTGCAGAGTGCCTTAGCGGCCATCCGGCAT
 GCCCGCTGGTTTGAAGAAAATGCTTCTCAGTCCACAGTTAAAGTTCTCATCAGATTGCTAAAGGACTTAC
 GGATTCGTTTTCTGGTTTTGAGCCTCTTACACCTGGATCCTTGACCTACTTGGGCACTACGCTGTAAT
 GAACAACCCACCAGACAGCCTTTGGCCCTGAACGTGGCTTACAGGCGCTGCTTGAGATTCTGGCTGCA
 GGACTGTTCTGCCAGGGTCAGTGGGCATCACTGACCCCTGTGAGAGTGGCAACTTCAGGGTACACACAG
 TTATGACCTAGAACAGCAGGATATGGTCTGCTACACAGCTCAGACTCTGGTTCGAATTCCTCCCACGG
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 AAGAGAACACAGAAGAGCCGCTCAGGGAGAAGAAGAAGAAGCATGGAGACTCAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203617 representing NM_001047886
 Red=Cloning site Green=Tags(s)

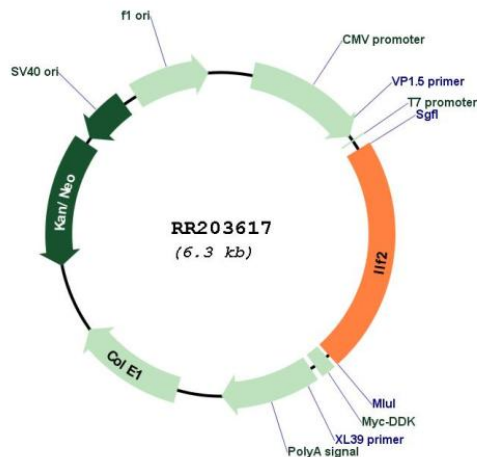
MVSTHLTSTTLPDCYRSLIVNSELGSSALMDLNSPSFLYPLLHTPADKGTLCYQAALGKYYASLEVIGV
 GDDKLQAVHGLNNGKPHRDILGSRITRPTGIKPLCLPRHILAYDWLAQSLGIVIGSISLAYNELLMMEK
 LKGRFPFVPHIPDFYLCEMAFPRVKPAPDETSFSEALLKRNDLAPNSAEQQIEEVQRQVGSYKKGTTT
 GHNVADLVVILKILPTFLTMLTNETGFEISSSDATVKILITTVPPNLRKLDPELHLDIKVLQSALAAIRH
 ARWFEENASQSTVKVLIIRLLKDLRIRFPGEPLTPWILDLLGHYAVMNNPTRQPLALNVAYRRCLQILAA
 GLFLPGSVGITDPCESGNFRVHTVMTLEQQDMVCYTAQTLVRILSHGGFRKILGQEGDASYLASEISTWD
 GVIVTPSEKAYEKPEKKEGEEEEENTEPPQEEEEESMETQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001047886

ORF Size: 1389 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_001047886.1](#), [NP_001041351.1](#)

RefSeq Size: 1448 bp

RefSeq ORF: 1392 bp

Locus ID: 310612

UniProt ID: [Q7TP98](#)

Cytogenetics: 2q34

MW: 51.4 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]