

## Product datasheet for **RN203617**

### Ilf2 (NM\_001047886) Rat Untagged Clone

#### Product data:

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



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**Fully Sequenced ORF:** >RN203617 representing NM\_001047886  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTTTCTACCCACCTTACCTCAACTACACTACCTGACTGCTATAGGAGCCTGATTGTAACTCTGAGC  
 TGGGTAGCAGTGCCTCATGGACCTGAATAGTCCTTCCTCCTCTATCCCCTCCTCCACACACCAGCGGA  
 CAAAGGTACACTTTGCACGTATCAGGCAGCACTGGGAAAGGTGTATGCCAGCCTTGAGGTATCGGAGTT  
 GGAGATGACAAGCTGCAGGCTGTACATGGTCTCAATGGTGGCAAACCTCACAGGGACATCCTTGGGAGCC  
 GTATCACCAGACCAACAGGCATCAAACCCTGTGCTTACCACGGCACATCTTAGCATATGATTGGCTGGC  
 TCAAAGTCTTCTGGCATAGTTATTGGCAGCATCTCCCTTGCCCTATAATGAGCTTCTCATGATGGAAAAG  
 CTGAAGGGGTTTCAGGCCCTTTGTGCCCCACATCCCCTTTGATTTCTATTTGTGTGAAATGGCTTTTCCCC  
 GGGTCAAACCAGCACCTGATGAGACCTCCTTCAGTGAAGCCTTGTGAAGAGGAATCAAGACCTTGCCCC  
 CAATTCTGCTGAGCAGCAAATTAAGAAGTCCGACAGGTAGGATCATATAAAAAGGGGACAATGACTACA  
 GGACACAATGTGGCTGACCTGGTGGTAATACTAAAGATTCTGCCAACATTCTTGACCATGCTGACTAATG  
 AAAGTGGCTTTGAAATTAGCTCTTCTGATGCTACGGTGAAAATTCTCATTACAACAGTGCCACCCAACTCT  
 CCGGAAACTGGACCCAGAACTCCATTTGGACATCAAGGTGTTGCAGAGTGCCTTAGCGGCCATCCGGCAT  
 GCCCGCTGGTTTGAAGAAAATGCTTCTCAGTCCACAGTTAAAGTTCTCATCAGATTGCTAAAGGACTTAC  
 GGATTCGTTTTCTGGTTTTGAGCCTCTTACACCCTGGATCCTTGACCTACTTGGGCACTACGCTGTAAT  
 GAACAACCCACCAGACAGCCTTTGGCCCTGAACGTGGCTTACAGGCGCTGCTTGAGATTCTGGCTGCA  
 GGACTGTTCTGCCAGGGTCAGTGGGCATCACTGACCCCTGTGAGAGTGGCAACTCAGGGTACACACAG  
 TTATGACCTAGAACAGCAGGATATGGTCTGTACACAGCTCAGACTCTGGTTCGAATTCTCTCCACGG  
 AGGCTTTTCGGAAGATCCTTGGGCAGGAGGGGACGCCAGCTATCTTGCTTCTGAAATATCTACCTGGGAT  
 GGAGTGATTGTGACACCTTCAGAAAAGGCTATGAAAAGCCGCTGAGAAGAAGGAGGGAGGAAGAGG  
 AAGAGAACACAGAAGAGCCGCTCAGGGAGAAGAAGAAGAAGCATGGAGACTCAGGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001047886

**Insert Size:** 1392 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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

**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]