

## Product datasheet for **RR214566**

### Ilf3 (NM\_053412) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ilf3 (NM_053412) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ilf3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214566 representing NM\_053412  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCATTGTATCATCATCACTTTCATCACAAGAAGAAGAAGGCGTCCCATGAGAATTTTTGTGAATGATG  
 ATCGCCATGTGATGGCAAAGCATTCTTTCAGTATACCCAACACAAGAGGAGCTGGAGGCTGTACAGAACAT  
 GGTGTCCACACTGAGCGGGCCCTCAAGGCTGTCTCTGACTGGATTGATGAGCAGGAGAAAGGCAACAGC  
 GAGCTCTCTGAAGCAGAAAAATATGGACACACCCCCAGATGATGAGAGCAAAGAAGGGGCTGGGGAACAGA  
 AGGCGGAACACATGACTAGGACCCTGAGGGGCGTGATGCGGGTCGGCCTGGTAGCCAAGGGTCTTCTGCT  
 CAAGGGGGACTTGGATCTGGAGCTGGTTCTGCTCTGTAAGGAGAAGCCACAACCTGCCCTTCTGGACAAG  
 GTGGCTGACAACCTGGCCATCCAGCTTACTACTGTAACAGAAGACAAGTATGAAATACTCCAATCTGTGG  
 ATGATGCTGCGATTGTGATAAAAAACACAAAAGAGCCCCCTTGTCTTGACCATCCATCTGACCTCCCC  
 TGTTGTACAGAGAAGAAATGGAGAAAGTATTAGCTGGAGAAACGCTATCAGTCAACGACCCCCCGGACGTT  
 CTGGACAGGCAGAAATGCCTTGCTGCCTTGGCGTCCCTCCGACACGCCAAGTGGTTCAGGCTAGAGCCA  
 ATGGGCTGAAGTCATGTGTCATTGTTCATCCGTGTCTTAAGGGACTTGTGTACCCGAGTGCCACCTGGGG  
 TCCTCTCAGAGGATGGCCTCTGGAGCTGCTGTGTGAGAAGTCCATCGGCACTGCCAATAGGCCAATGGGT  
 GCTGGTGAAGCCCTGCGGAGAGTACTGGAGTGCCTGGCTTCCGGCATCGTAATGCCAGATGGTTCTGGCA  
 TTTATGACCCCTTGTAAGAAAGAGCCACTGATGCTATTGGGCATCTAGACAGACAGCAACGGGAAGATAT  
 CACACAGAGTGGCAGCATGCTCTGCGGCTTGTGCCTTGGCCAGCTCCATAAAGTACTGGAAATGGAC  
 CCACTGCCTTCCAAAATGCCAAGAAACCAAGAACGAGAACCCGGTGGACTATACTGTTCAAATCCCCC  
 CCAGCACACCTACGCCATCACACCCATGAAACGCCCTATGGAAGAAGATGGGGAGGAGAAGTCTCCCAAG  
 CAAAAAGAAAAAGAAAGATCCAGAAGAAAGAGGAGAAGGCTGAGCCTCCCAAGCTATGAATGCCCTGATG  
 AGGTTAAACCAGCTGAAGCCAGGCTACAGTACAAGCTGATCTCCAGACGGGCTCCTGTTACGCTCCCA  
 TCTTACCATGTCTGTGGAGGTAGACGGCAGTACCTTTGAGGCCTCAGGGCCATCTAAAAAGACGCCAA  
 GCTACATGTGGCTGTGAAGGTGTACAGGACATGGGATTGCCAACAGGCGCTGAAGGCAGAGACTCCAGC  
 AAGGGGGAGGACTCTGCTGAGGAGTCAAGTGGGAAGCCAGCAGTGTGGCCCCACCCCTGTGGTGGAAAG  
 CAGTCTCAACCCAGTCTGTCTTCCCTTCAAGTCCACTACTGAGCAGGGGCCGATTTTGACTAAGCA  
 CGGCAAGAATCCTGTAATGGAGCTTAATGAGAAGAGACGTGGCCTCAAATATGAGCTCATTCTGAGACA  
 GGGGGCAGCCACGACAAACGGTTTGTATGGAGGTTGAGGTGGACGGACAGAAGTTTCAAGTGCTGGCT  
 CAAACAAAAGGTAGCAAAGGCTTATGCTGCACCTTGGCCGATTAGAGAAGCTTTTCCCTGACGCCCTCT  
 TGCTCTTGAAGCCAACAAGAAGAAAAGAGCCCTGTGCCTGTCCGAGGGGACCCAAATTTGCTGCCAAG  
 CCACATAACCCTGGCTTTGGCATGGGAGGCCCATGCATAATGAAGCGCCCCACCTCCCAACATCCGAG  
 GTCGGGGGCCGAGGAGGTAACATCCGAGGGCGAGGACGGGGGCGAGGATTTGGTGGACCAACCACGGAGG  
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 CAACCTTACAACCAGAGCCAGTACAGCAGCTACGGCACGCCACAGGGCAAGCAGAAAGGCTATGGCCATG  
 GGCAGGGCAGCTACTCCTCCTACTCCAACCTTTACAACCTCCCCTGGTGGTGGTGGGGGCTCTGACTACAG  
 CTACGACAGCAAATCAACTACAGTGGTGTGAGGCGGAGTGGAGGGAACAGCTATGGCTCCAGCGGG  
 TCATCCTACAACACAGGCTCACATGGGGTTATGGCGCAGGTTCTGGAGGCAGCTTTCATACCAAGGCA  
 AACAGGAGGCTACTCATCAGTCAAACCTACAGCTCCCCTGGTCCAGCCAGAGCTACAGCGGCCCCGC  
 CAGCTCCTACCAGTCTCACAGGTTGGCTACAGTCGGAACACAGAACACAGCATGAACTACCAGTACAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR214566 representing NM\_053412  
Red=Cloning site Green=Tags(s)

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MALYHHHFITRRRRRPMRIFVNDDRHVMKHSVYPTQEELAVQNMVSHTERALKAVSDWIDEQEKGNS
ELSEAENMDTPPDESKEGAGEQKAEHMTRTLRGVMRVGLVAKGLLLKGDLDLELVLLCCKEPTTALLDK
VADNLAIQLTTVTEDKYEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVVREEMEKVLAGE TLSVNDPPDV
LDRQKCLAAALASLRHAKWFQARANGKSCVIVIRVLRDLCTRVPWTWGPLRGWPLELLCEKSIGTANRPMG
AGEALRRVLECLASGIVMPDGSIGIYDPCEKEATDAIGHLDRQQREDITQSAQHALRLAAFQQLHKVLGMD
PLPSKMPKPKNENPVQYVQIPSTTYAITPMKRPMEEDGEEKSPSKKKKIQKKEEKAEPQAMNALM
RLNQLKPLQYKLISQTGPVHAPIFTMSVEVDGSTFEASGPSKKTAKLHVAVKVLQDMGLPTGAEGRDSS
KGEDSAEESDGKPAVVAPPPVVEAVSNPSSVFPSDATTEQGPILTKHGKNPVMELEKRRGLKYELISET
GGSHDKRFVMEVEVDGQKFGAGSNKKVAKAYAALAALEKLPDAPLALANKKKRAPVPVRRGGPKFAAK
PHNPGFGMGGPMHNEAPPPNIRGRGRGNIIRGRGRGRGFGGTNHGGGYMNAGAGYGSYGYSSNSATAGY
SQFYSSNGGHYGNAGGGGSGGGGSSSYSSYYQGD SYNSPVPKHAGKKPLHGGQQKPSYSSGYQSHQGGQ
QPYNQSQYSSYGTQGGKQKGYGHGQGSYSSYSNSYNSPGGGGSDYSYDSKFNYSGSGGRSGGNSYGS
SSYNTGSHGGYGAGSGGSSSYQGGKQGGYSSQSNYSSPGSSQSYSGPASSYQSSQGGYSRNTTEHSMNYQYR
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul

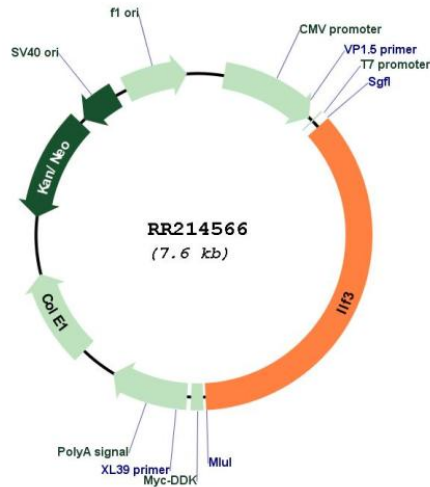
Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

Plasmid Map:



<b>ACCN:</b>	NM_053412
<b>ORF Size:</b>	2730 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053412.1</a> , <a href="#">NP_445864.1</a>
<b>RefSeq Size:</b>	3168 bp
<b>RefSeq ORF:</b>	2733 bp
<b>Locus ID:</b>	84472
<b>UniProt ID:</b>	<a href="#">Q9JIL3</a>
<b>Cytogenetics:</b>	8q13
<b>MW:</b>	97.7 kDa
<b>Gene Summary:</b>	nuclear protein that interacts with and regulates the activity of protein-arginine methyltransferase I [RGD, Feb 2006]