

## Product datasheet for **RR207672**

### Lef1 (NM\_130429) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Lef1 (NM\_130429) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Lef1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR207672 representing NM\_130429  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCAACTTCCGGAGGAGGCGGTGGGGGGACCCGGAATCTGCGCCACCGATGAGATGATCCCT  
 TCAAGGACGAGGGCGATCCCCAGAAGGAGAAGATTTTCGCCGAGATCAGTCACCCGAAGAGGAGGGCGA  
 CTTAGCAGACATCAAGTCATCCTTGGTAAACGAGTCCGAAATCATCCCAGCCAGCAACGGGCATGAGGTG  
 GTCGGACAAACACAGTCCCTCTCAGGAGCCCTACCACGACAAGGCCAGAGAGCACCCGGATGACGGAAAGC  
 ATCCGGACGGAGGTCTATATAACAAGGGCCCTCTACTCCAGTTACTCTGGCTACATCATGATGCCCAA  
 TATGAATAGCGACCCATACATGTCAAATGGATCCCTTTCTCCACCCATCCCGAGGACCTCAAATAAAGTG  
 CCGGTGGTGCAGCCATCTCACGCGGTCCACCCCTCACGCCCCTCATCACGTACAGCGACGAGCACTTTT  
 CTCCAGGGTCTCACCCGTACACATCCCGTCAGAGGTCAACCCCAAGCAAGGCATGTCTAGACACCCACC  
 AGCTCCTGAAATGCCACCTTCTACCCCTGTCTCCAGGCGGCGTTGGACAGATCACCCACCCCTCGGC  
 TGGCAAGGTGAGCCTGTTTATCCCATCACGGTGGGTTTCAGGCAAGCCTACCCATCTTCACTTTCAGGGG  
 ACACTTCCATGTCCAGGTTTTCCCATCACATGATTCTGGGCCCTGGCCCCACACAAGTGGCATCCC  
 TCATCCAGCAATTGTAACACCTCAGGTCAAACAGGAGCACCCACACGGACAGCGACCTAATGCAGGTG  
 AAGCCTGAGCACGAACAGAGAAAGGAACAGGAGCCTAAAAGACCTCATATTAAGAAGCCTCTGAATGCTT  
 TCATGTTATACATGAAAGAAATGAGGGCGAATGTCGTAGCCGAGTGTACGCTAAAGGAGAGCGCAGCTAT  
 CAACCAGATCCTGGGCAGAAAGTGGCACGCCCTCTCCCGGAAGAGCAGGCCAAATATTATGAATTAGCG  
 CGGAAAGAAAGACAGCTACATATGCAGCTCTATCCAGGCTGGTCAGCGAGAGACAATTATGGCAAGAAGA  
 AGAAGAGGAAGAGAGAGAAGCTACAGGAATCTACTTCAGGTACAGGTCCCAGAATGACAGCTGCCTACAT  
 C

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

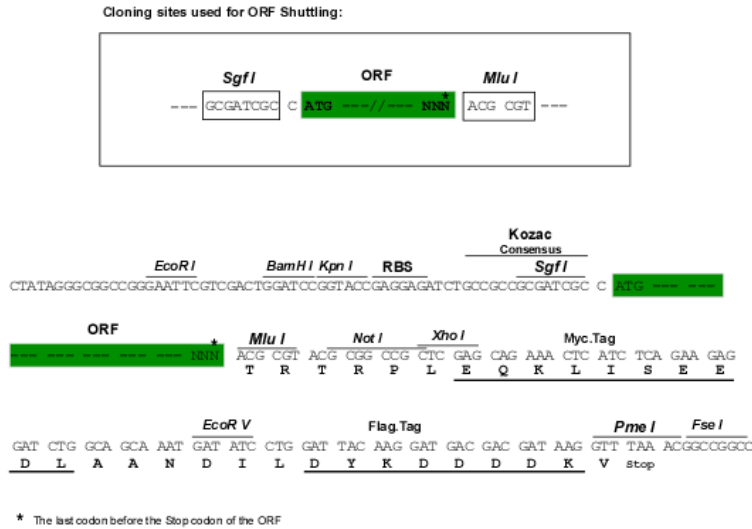
**Protein Sequence:** >RR207672 representing NM\_130429  
Red=Cloning site Green=Tags(s)

MPQLSGGGGGDPELCADEMIPFKDEGDPQKEKIFAEISHPEEEGLADIKSSLVNESEIIPASNGHEV  
 VGQTQSSQEPYHDKAREHPDDGKHPDGGLYNKGPSYSSYSGYIMPMNNSDPYMSNGSLSPPIRPTSNKV  
 PVVQPSHAVHPLTPLITYSDEHFSPGSHPSHIPSEVNPQKQMSRHPPAPEMPTTFYPLSPGGVQGITPPLG  
 WQGPVYPITGGFRQAYPSSLSGDTSMSRFSHHMIPGPPGPHTTGIPHPAIVTPQVKQEHPTDSDLMHV  
 KPHEHQKKEQEPKRPHIKKPLNAFMLYMKEMRANVVAECTLKESAAINQILGRRWHALSREEQAKYYELA  
 RKERQLHMQLYPGWSARDNYGKKKKRKRKLEKLESTSGTGPRMTAAYI

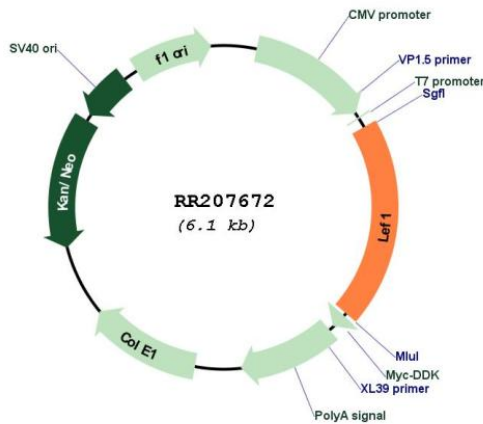
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_130429

<b>ORF Size:</b>	1191 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_130429.1</a> , <a href="#">NP_569113.1</a>
<b>RefSeq Size:</b>	1194 bp
<b>RefSeq ORF:</b>	1194 bp
<b>Locus ID:</b>	161452
<b>UniProt ID:</b>	<a href="#">Q9QXN1</a>
<b>Cytogenetics:</b>	2q43
<b>MW:</b>	44 kDa
<b>Gene Summary:</b>	expressed in kidney; has 98% amino acid homology with mouse Lef-1 [RGD, Feb 2006]