

## Product datasheet for **RR213636**

### Lefty1 (NM\_001109080) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lefty1 (NM\_001109080) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lefty1  
**Synonyms:** RGD1561867  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213636 representing NM\_001109080  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCGGTTCTATGGCTCTGTTGGGCACTCTGGGCACTATTCCAGGTTAGCCCTGGAGAAGCCCTGACTG  
GAGAGCAGGTCTGGGCAGCCTTCTGCAACAGCTGCGGCTTGATCGACCGCCAGTCTTGGACAAGGCTGA  
TGTGGAGGGAATGGTCATCCCCTCGCATGTGAGGGCCAGTATGTGGCCCTGCTCCAGCAGACCCATGAC  
AGCCGCTCCCAGGCAAGAGGTTTAGCCAGAATTTGAGAGGTGGCAGGCAAGTTCTGGTGTGAGAGA  
CCTCCAGTCACCTGCTGGTGTTCGGCATGGAGCAGCGGCTGCCGCCTAACAGTGAGCTGGTGCAGGCTGT  
GCTGCGGCTGTTCCAGGAGCCTGTGCCAGAACAGCTCTCCGGAGGCAAAAGAGGCTGTCCCCACACAGC  
GCCCCGGGCTCGGGTACCATTTGAATGGCTGCGCTTCCGCGAGGATGGCTCCAACCGTACCGCCCTTATCG  
ATTCTAGGCTCGTGTCCATCCACGAGAGCGGCTGGAAGTCTTCGATGTGACCGAGGCGGTGAACCTCTG  
GCAGCAGCTGAGCCGGCCGAGGCAGCCGCTGCTGCTCCAGGTGTCGGTGCAGAGGGAGCATCTGGGACCG  
GGGACCTGGAGCGCACACAAGTTGGTCCGGTTCGCGCGCAGGGGACGCCGGACGGCAAGGGGCTGGCGC  
AGCCACAGCTGGAGCTGCACACGCTGGACCTCAAGGACTATGGGGCTCAAGGCAATTGTGACCCCGAGAG  
ACCACTGACTGAAGGCACCCGATGCTGTGCGCAAGAGATGTACCTGGACCTGCAGGGGATGAAGTGGGCT  
GAGAACTGGATCCTAGAACCCCAAGATTCTGACTTACGAATGTGTGGGCACTGCCTGCAGCCACCAG  
AGTCCCTGACCATCAGGTGGCCATTTCTGGGGCTCGGCAGTGTGTGGCCTCAGAGATGACTTCTTGCC  
CCTGATTGTCAGCATAAAGGAGGACGGCAGGACCAGGCCCAAGTGGTCAAGCTGCCCAACATGAGGGGTG  
CAGAGGTGAGCTGTGCCTCGGATGGGGCGCTCATACCCAGGAGGCTGGAGCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR213636 representing NM\_001109080  
Red=Cloning site Green=Tags(s)

MRFLWLCWALWALFQVSPGEALTGEQVLGSLQLQRLDRPPVLDKADVEGMVIPSHVRAQYVALLQHSHD  
 SRSRGKRF SQNFREVAGRFLVSETSSHLLVFGMEQRLPPNSELVQAVLRLFQEPVPRALRRQKRLSPHS  
 ARARVTIEWLRFREDGSRNTALIDSRLVSIHESGWKVFVDVTEAVNFWQQLSRPRQPLLLQVSVQREHLGP  
 GTWSAHKLVRFAAQGTPDGKGLGEPQLELHTLDLKDYGAGQNCDPETPVTEGTRCCRQEMYLDLQGMKWA  
 ENWILEPPGFLTYECVGSCLQPPELTIKRWPFLLGPRQCVASEMTSLPLIVSIKEDGRTRPQVVSLLPNMRV  
 QRCSCASD GALIPRRLEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

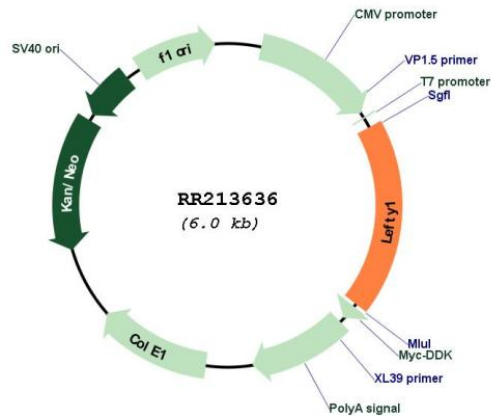
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001109080

<b>ORF Size:</b>	1104 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_001109080.1</a> , <a href="#">NP_001102550.1</a>
<b>RefSeq Size:</b>	1572 bp
<b>RefSeq ORF:</b>	1107 bp
<b>Locus ID:</b>	498299
<b>Cytogenetics:</b>	13q26
<b>MW:</b>	41.8 kDa