

Product datasheet for **RR206822**

Lefty2 (NM_001007556) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lefty2 (NM_001007556) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lefty2
Synonyms: Eba2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206822 representing NM_001007556
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGTCCCTGTGGCTTTGCTGGACACTCTGCGTACTGCCCTGGCTGGCCCTGGGGCAGCGGTGACTG
AGGAACAGTTCTGAGCAGTCTCCTGAAGCAGCTGCAGCTCAGCCAGGCCCGGTCTGGACAGAGTGGA
TGTGGAGGGGATGCCATCCCTACCCATGTGAGCTCCAGTATGTGGCCCTGCTGCAGGGAAGTCATGCT
GACCGCTCCCAGGCAAGAGTTTCAGCCAGAATTTTCAGAGGTGGCAGGCAAGTTCTGGTGTCAGAGA
CCTCCAGTCACCTGCTGGTGTTCGGCATGGAGCAGCGGCTGCCGCCTAACAGTGAGCTGGTGCAAGCCAT
GCTGCGGCTGTTCCAGGAGCCCGTGCCAGAACAGCTCTCCGGAGGCTTGAGAGGCTGCCCCCTCATAGT
GCCAAGCTCGGGTACCATCGAGTGGCTGAGAGTCCGTGAGGATGGCTCCAACCGCACCGCCCTCATCG
ATTCCAGGCTCGTGTCCATCTACGAGAGCGGCTGGAAGTCTTCGATGTGACCGAGGCGGTGAATCTG
GCAGCAGCTGAGCCGGCCGAGGACGCGCTGCTGCTCCAGGTGTCGGTGCAGAGGGAGCATCTGGGACCG
GGGACCTGGAGCGCACACAAGTTGGTCCGGTTCGCGGCGCAGGGGACGCCGACGGCAAGGGCGAGCCAC
AGCTGGAAGTGCACAGCTGGACCTCAAGGACTACGGAGCTCAAGGCAATTGTGACCCCGAGGCAAGT
GACTGAAGGCACCCGATGCTGTCGAAGGAGATGTACCTGGACCTGCAGGGGATGAAGTGGGCTGAGAAC
TGGATCCTAGAACCCCCAGGGTTCCTCATTATGAATGTGTGGGAGCTGCCGGCAGCTGCCAGAGTCTC
TGACCATCGGGTGGCCATTTCTGGGGCCTCGGCAGTGTGTGCCCTCAGAGATGACTTCCCTGCCATGAT
TGTGAGCATAAAGGAGGACGGCAAGACCAGGCCTCAAGTGGTCAGCCTGCCAACATGAGGGTGCAGACG
TGTAGTTGTGCCCTCGGATGGGGCACTACACTAGGGGGATAGATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206822 representing NM_001007556
 Red=Cloning site Green=Tags(s)

MQSLWLCWTL CVLPLAGPGA AVTEEQVLSSLLKQLQLSQAPVLD RVDVEGMAIP THVSSQYVALLQGS HA
 DR SRGKRFSQNFREVAG RFLVSETSSHLLVFGMEQRLPPNSELVQAMLRL FQEPVPR TALRRLERLPPHS
 AQARVTIEWLRVREDG SNRTALIDSRLVSIYESGWKVFVDVTEAVNFWQQLSRPRQPLLLQVS VQREHLGP
 GTWSAHKLVRFAAQGTPDGKGEPQLELHTLDLKDYG AQGNCDPEAPVTEGTRCCR KEMYLDLQGMKWAEN
 WILEPPGFLIYECVGS CRQLPESLTIGWPFLGPRQCVASEM TSLPMIVSIKEDGKTRPQVVSLPNMRVQT
 CSCASDGALIPRGIDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

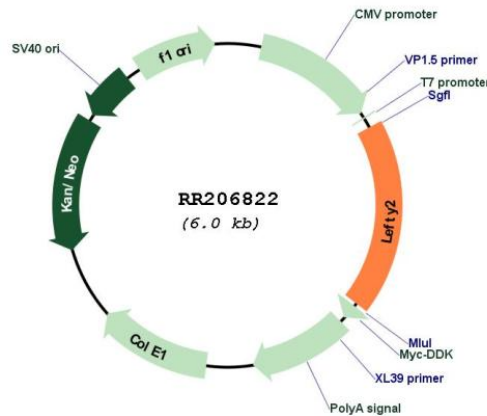
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007556

ORF Size:	1098 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:	<ol style="list-style-type: none">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_001007556.1 , NP_001007557.1
RefSeq Size:	1384 bp
RefSeq ORF:	1101 bp
Locus ID:	289316
Cytogenetics:	13q26
MW:	40.9 kDa