

## Product datasheet for **MC202041**

### Lefty1 (NM\_010094) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lefty1 (NM\_010094) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lefty1  
**Synonyms:** Al450052; Eba; EbaF; Left; Leftb; lefty; lefty-; lefty-1; St; Stra3; Tgfb4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC050221 sequence for NM\_010094  
CACACATCCAAGGCTCCTCTTCCCGGACAGCACCATGCCATTCTGTGGCTCTGCTGGGCACTCTGGGCA  
CTGTTCGCTGGTTAGCCTCAGGGAAGCCCTGACCGAGAGCAGATCCTGGGAGCCTGCTGCAACAGCTGC  
AGCTCGATCAACCGCCAGTCCTGGACAAGGCTGATGTGGAAGGGATGGTCATCCCCTCGCAGTGAGGAC  
TCAGTATGTGGCCCTGTACAACACAGCCATGCCAGCCGCTCCCGAGGCAAGAGGTTTCAGCCAGAACCTT  
CGAGAGGTGGCAGGCAGGTTCTGGTGTGAGAGCCTCCACTCACCTGCTAGTGTTCGGAATGGAGCAGC  
GGCTGCCGCCCTAACAGCGAGCTGGTGCAGGCTGTGCTGCGGCTGTTCCAGGAGCCTGTGCCCAGAACAGC  
TCTCCGGAGGCAAAAGAGGCTGTCCCCACACAGTGCCCGGGCTCGGGTACCATTGAATGGCTGCGCTTC  
CGCGACGACGGCTCCAACCGCACTGCCCTTATCGATTCTAGGCTCGTGTCCATCCACGAGAGCGGCTGGA  
AGGCTTCGACGTGACCGAGGCCGTGAATTCTGGCAGCAGCTGAGCCGGCCGAGGCAGCCGCTGCTGCT  
CCAGGTGTGCGTGCAGAGGGAGCATCTGGGGCCGGGAACCTGGAGCTCACACAAGTTGGTTTCGTTTCGCG  
GCGCAGGGGACGCGGATGGCAAGGGGCAGGGCGAGCCACAGCTGGAGCTGCACACGCTGGACCTCAAGG  
ACTATGGAGCTCAAGGCAATTGTGACCCCGAGGCAACAGTGAAGGCACCCGATGCTGTGCGCCAGGA  
GATGTACCTGGACCTGCAGGGGATGAAGTGGGCGGAGAAGTGGATCCTAGAACCGCCAGGGTTCTGACA  
TATGAATGTGTGGCAGCTGCCTGCAGTACCGGAGTCCCTGACCAGCAGGTGGCCATTTCTGGGCGCTC  
GGCAGTGTGTGCGCTCAGAGATGACCTCCCTGCCATGATTGTGACGCTGAAGGAGGGAGGCAGGACCAG  
GCCTCAAGTGGTCAAGCTGCCAACATGAGGGTGCAGACCTGTAGCTGCGCCTCAGATGGGGCGCTCATA  
CCCAGGAGGCTGCAGCCATAGGCGCGGGTGTGGCTTCCCAAGGATGTGCCTTTTCATGCAAAATCTGAAG  
TGCTCATTATACTGGGAGAGCTGGGATTCTAACTCCCTAATGGGCAATCCCTGTGTGTGCTCTTTGCTT  
CCTCTGAAGTAGCCTCATCCCTAAATTTTACCTTCGAGGAATGTGACTCGCTGGCCCTGGAGGCGCTC  
TGACCCAGTGGTCTCTGTCCCTCATATTGTTCACTGCACTGTATGCGAAGCACTTACATGTATAGATACT  
GCAAACCAAGGACAGAATCCCCAATTGCCATTGTTCCCTAATTTGTCGCTGAATCTGGGCTGAGTCCCA  
GTCTTGACTCTGGACCTAAGCCACAAGTTGGGCAACATGTCCAACCTAGGCAATACTGGCTTTGCTAGA  
TGTGAATAAAATATGCTTTGTTTGTAAAAA

**Restriction Sites:** RsrII-NotI



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ACCN:	NM_010094
Insert Size:	1107 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:	<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>
RefSeq:	<a href="#">BC050221</a> , <a href="#">AAH50221</a>
RefSeq Size:	1582 bp
RefSeq ORF:	1107 bp
Locus ID:	13590
UniProt ID:	<a href="#">Q64280</a>
Cytogenetics:	1 H4
Gene Summary:	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate the mature protein, which plays a role in left-right asymmetry determination of organ systems during development. Mice lacking a functional copy of this gene exhibit embryonic lethality and defects in left-right patterning. [provided by RefSeq, Aug 2016]