

## Product datasheet for **MC204095**

### Fhl2 (NM\_010212) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fhl2 (NM\_010212) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fhl2  
**Synonyms:** FHL-2; SL; SLIM-3; SLIM3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC021468  
 CCACGCGTCCGCGGACGCGTGGGGCCGCCAGGCCACAGCCCTGCTTGGGACACAAGGATCGCCACCAGA  
 CCGCTGCCCTAGGACGCGTCGAGAGCCTGTGGCCAGCGCACCCGGACCGTGGGGAGGAGACCAGGAGAC  
 CGGAGCAGAGCTGTGACAGCGGCATCAGGATTGCTGAAAGACAGGTGTCAGCATGACTGAACGCTTTGAC  
 TGCCACCACTGCAATGAATCTCTGTACGGCAAGAAGTACATTCTAAAGGAGGAGAACCCACACTGTGTGG  
 CCTGCTTCGAGGAACCTATGCCAATACCTGTGAGGAGTGTGGAACACCCATCGGCTGCGACTGCAAGGA  
 CTTGTCTTACAAGGATCGGCACTGGCATGAAGGCTGCTTCCATTGCTCCCGGTGTGGAAGCTCGCTGGT  
 GACAAGCCCTTTGCTGCCAAGGAGGAACAGCTGCTGTGCACCGACTGCTATTCCAATGAATACTCGTCCA  
 AGTGCCAGGAATGCAAGAAAACCATCATGCCAGGTACCCGCAAGATGGAATACAAGGGCAGCAGCTGGCA  
 CGAGACCTGCTTACCTGTCAGCGCTGCCAGCAGCCATTGGAACCAAGAGCTTCATACCTAAGGAGAAT  
 CAGAACTTCTGCGTGCCCTGCTATGAGAAGCAGTATGCCCTGCAGTGCAGTGCAGTCAAAAAGCCTATCA  
 CCACAGGAGGTGTTACTTACCGGGAGCAGCCCTGGCACAAAGGAATGCTTTGTGTGCACAGCCTGCAAGAA  
 GCAGCTATCTGGCAACGCTTACAGCACGGGATGAGTTTCCATACTGCCTGACCTGCTTCTGTGACTTG  
 TACGCTAAGAAATGTGCTGGGTGCACCAACCCATTAGTGGTCTGGGTGGCACAAAGTACATCTCTTTG  
 AGGAACGCCAATGGCACAAACGACTGCTTTAACTGTAAGAAGTGTCCCTGTCTCTGGTGGGACGAGGCTT  
 CCTCACAGAGAGAGATGACATCCTCTGTCTGACTGTGAAAGGATATTTGAAGGCGGCACAGAAGCCAC  
 AGCGCGTGGCGCAGAGATTCCGATGTTTTCTTTTATAACCAGGCAATGCTGTGTTCTGATTCCCACCAGC  
 CACCACGAGGCTTCTCTTGTGCCCTGGCTTACATTTGTTGAAACCCTTTAGTTCTTTTCTTCTCAGT  
 GGGGACAAGATCCATCCGTAAGCCCGGATGGGAAGATGGTTTGAATTTTATAGAAATGCAAGGCAGAT  
 TAAATGAAAAAGTCTTGAGTGTCTTTATAATGCATCCTTCTTCCATCCTATTTAATTTTTTAAGTGCA  
 ATTAACATGTGTTATGAACTTGAATGTATTTTCAAGGGAGAGCTGGGATTTGCAGCTTTGTGACTTCCTT  
 TTTATGTAAAACCTACAGGAAGACTTATGTGACTTACAATAAAATTATTCAGAATAAAACATTTTGTCAA  
 GCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_010212



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<b>Insert Size:</b>	840 bp
<b>OTI Disclaimer:</b>	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).
<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="#">BC021468</a> , <a href="#">AAH21468</a>
<b>RefSeq Size:</b>	1487 bp
<b>RefSeq ORF:</b>	840 bp
<b>Locus ID:</b>	14200
<b>UniProt ID:</b>	<a href="#">O70433</a>
<b>Cytogenetics:</b>	1 C1.1
<b>Gene Summary:</b>	<p>This gene encodes a member of the four-and-a-half-LIM-only protein family. The encoded protein functions as a regulator in numerous signaling pathways and cellular processes in development and cellular differentiation, including development and maintenance of the cardiovascular system and striated muscles. This gene also plays a role in bone formation and regulates bone mineral content and bone mineral density. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>