

## Product datasheet for **MC226753**

### Fhl1 (NM\_001287800) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fhl1 (NM\_001287800) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fhl1  
**Synonyms:** FHL-1; KyoT; RAM14-1; SLIM; SLIM-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226753 representing NM\_001287800  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGGAGAAGTTCGACTGTCACTACTGCAGGGACCCCTTGCAGGGGAAGAAGTACGTGCAGAAGGATG  
GCCGTCCTGCTGCTGAAGTCTTTGACAAGTCTGCGCCAACACCTGCGTGGACTGCCGAAGCCCAT  
AAGCGCTGATGCCAAGGAGGTGCATTATAAGAATCGCTACTGGCAGCAACTGCTTCCGCTGTGCCAAG  
TGCTTACCCCTTGCCAGTGAGACCTTTGTGTCCAAGGATGGCAAGATCCTGTGCAACAAGTGGCCTA  
CTCGGGAGGACTCCCCAGGTGCAAAGGGTCTTCAAGGCCATTGTGGCAGGAGACCAGAACGTGGAGTA  
CAAGGGCACCGTCTGGCATAAAGACTGTTCACCTGCAGCAACTGCAAGCAAGTCAATGGGACCGGAAGC  
TTCTTCCCGAAAGGGGAGGACTTCTACTGTGTGACTTGCCATGAGACCAAGTTCGCCAAACATTGCGTGA  
AGTGCAACAAGGCCATCACATCTGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAGTCTTTGT  
GTGTGTTACCTGCTCTAAGAAGCTGGCTGGCAGCGTTTCACCGCTGTGGAGGACCAGTATTACTGCGTG  
GATTGCTACAAGAAGTCTTGTGGCCAAGAAGTGTGCTGGATGCAAGAACCCCATCACTGGGTTTGGTAAAG  
GCTCCAGTGTGGTGGCCTATGAAGGACAATCCTGGCAGCAACTGCTTCCACTGCAAAAAATGCTCCGT  
GAATCTGGCCAACAAGCGCTTTGTATTTTCATAATGAGCAGGTGTATTGCCCTGACTGTGCCAAAAAGCTG  
TAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001287800  
**Insert Size:** 843 bp



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<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001287800.1</a></u> , <u><a href="#">NP_001274729.1</a></u>
<b>RefSeq Size:</b>	2273 bp
<b>RefSeq ORF:</b>	843 bp
<b>Locus ID:</b>	14199
<b>UniProt ID:</b>	<u><a href="#">P97447</a></u>
<b>Cytogenetics:</b>	X A6
<b>Gene Summary:</b>	<p>May have an involvement in muscle development or hypertrophy. Isoform 2 binds to RBP-J and plays a negative regulatory role in the RBP-J-mediated transcription in mammalian systems.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) represents the use of an alternate promoter, differs in the 5' and 3' UTRs and lacks an exon in the 3' coding region resulting in a translational frameshift compared to variant 1. The encoded protein (isoform 3, also known as KyoT1) has a distinct C-terminus and is shorter than isoform 1. Variants 3 and 4 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>