

Product datasheet for **MC226747**

Fhl2 (NM_001289533) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fhl2 (NM_001289533) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fhl2
Synonyms: FHL-2; SL; SLIM-3; SLIM3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226747 representing NM_001289533
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTGAACGCTTTGACTGCCACCACTGCAATGAATCTCTGTACGGCAAGAAGTACATTCTAAAGGAGG
AGAACCCACACTGTGTGGCTGCTTTGAGGAACCTATGCCAATACCTGTGAGGAGTGTGGAACACCCAT
CGGCTGCGACTGCAAGGACTTGTCTACAAGGATCGGCACTGGCATGAAGGCTGCTTCCATTGCTCCCGG
TGTGGAAGCTCGCTGGTGGACAAGCCCTTGTGTCGAAGGAGGAACAGCTGCTGTGCACCGACTGCTATT
CCAATGAATACTCGTCCAAGTGCCAGGAATGCAAGAAAACCATCATGCCAGGTACCCGCAAGATGGAATA
CAAGGGCAGCAGCTGGCAGGACCTGCTTACCTGTGAGCGCTGCCAGCAGCCATTGGAACCAAGAGC
TTCATACCTAAGGAGAATCAGAACTTCTGCGTGCCTGCTATGAGAAGCAGTATGCCCTGCAGTGCCTGC
AGTGCAAAAAGCCTATCACACAGGAGGTGTTACTTACCGGGAGCAGCCCTGGCACAAGGAATGCTTTGT
GTGCACAGCCTGCAAGAAGCAGCTATCTGGCAACGCTTACAGCACGGGATGAGTTTCCATACTGCCTG
ACCTGCTTCTGTGACTTGTACGTAAGAAATGTGCTGGGTGCACCAACCCATTAGTGGTCTGGGTGGCA
CAAAGTACATCTTTTCGAGGAACGCCAATGGCACAACGACTGCTTAACTGTAAGAAGTGTCCCTGTC
TCTGGTGGGACGAGGCTTCTCACAGAGAGAGATGACATCCTCTGTCTGACTGTGGAAGGATATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289533
Insert Size: 840 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001289533.1</u> , <u>NP_001276462.1</u>
RefSeq Size:	1417 bp
RefSeq ORF:	840 bp
Locus ID:	14200
UniProt ID:	<u>O70433</u>
Cytogenetics:	1 C1.1
Gene Summary:	<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 and 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 (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>