

## Product datasheet for MR216736

### Fhl1 (NM\_010211) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fhl1 (NM\_010211) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fhl1  
**Synonyms:** FHL-1; KyoT; RAM14-1; SLIM; SLIM-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR216736 representing NM\_010211  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTTCTCAAAGACACTCAGGTCCCTCCAGCTATAAGGTGGGCACCATGTCGGAGAAGTTCGACTGTC  
 ACTACTGCAGGGACCCCTTGCAGGGGAAGAAGTACGTGCAGAAGGATGGCCGTCCTGCTGCCTGAAGTG  
 CTTTGACAAGTTCGCGCAACACCTGCGTGGACTGCCGCAAGCCATAAGCGCTGATGCCAAGGAGGTG  
 CATTATAAGAATCGTACTGGCATGACAACTGCTCCGCTGTGCCAAGTGCCTTACCCCTTGCCAGTG  
 AGACCTTTGTGTCCAAGGATGGCAAGATCCTGTGCAACAAGTGGCTACTCGGGAGGACTCCCCAGGTG  
 CAAAGGGTGTTC AAGGCCATTGTGGCAGGAGACCAGAAATGTGGAGTACAAGGGCACCGTCTGGCATAAA  
 GACTGCTTACCTGCAGCAACTGCAAGCAAGTCATTGGGACCGGAAGCTTCTCCGAAAGGGGAGGACT  
 TCTACTGTGTGACTTGCCATGAGACCAAGTTCGCCAAGCATTGCGTGAAGTGAACAAGGCCATCACATC  
 TGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAGTGCTTTGTGTGTTACCTGCTAAGAAG  
 CTGGCTGGGCAGCGTTTCAACCGCTGTGGAGGACCAGTATTACTGCGTGGATTGCTACAAGAACTTTGTGG  
 CCAAGAAGTGTGCTGGATGCAAGAACCCCATCACTGGGTTTGGTAAAGGCTCCAGTGTGGTGGCCTATGA  
 AGGACAATCCTGGCAGGACTACTGCTTCCACTGCAAAAAATGCTCCGTGAATCTGGCCAACAAGCGCTTT  
 GTATTTTATAATGAGCAGGTGTATTGCCCTGACTGTGCCAAAAAGCTG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR216736 representing NM\_010211  
Red=Cloning site Green=Tags(s)

MASQRHSGPSSYKVGTMSEKFDCHYCRDPLQGKKYVQKDRHCLKCFDKFCANTCVDCRKPI SADAKEV  
 HYKNRYWHDNCFRCAKCLHPLASETFVSKDGKILCNKCATREDSRCKGCFKAI VAGDQNVYKGTVWHK  
 DCFTCSNCKQVIGTGSFFPKGEDFYCVTCHETKFAKHCVKCNKAITSGGITYQDQPWHAECFVVCVTSKK  
 LAGQRF TAVEDQYYCVD CYKNFVAKK CAGCKNPITGFGK GSSV VAYEGQSWHDYCFHCKKCSVNLANKRF  
 VFHNEQYVCPDCAKKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_010211

**ORF Size:** 888 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:**

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 Size:** 2356 bp

**RefSeq ORF:** 843 bp

**Locus ID:** 14199

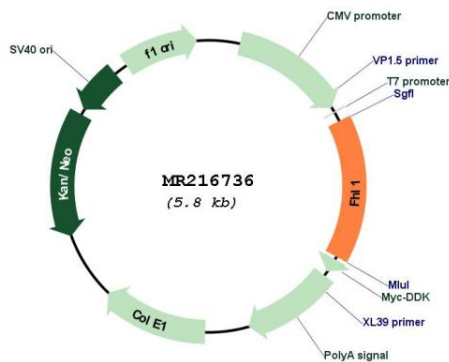
**UniProt ID:** [P97447](#)

**Cytogenetics:** X A6

**MW:** 32.3 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for MR216736