

## Product datasheet for **MG216736**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fhl1 (NM\_010211) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Fhl1  
**Synonyms:** FHL-1; KyoT; RAM14-1; SLIM; SLIM-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG216736 representing NM\_010211  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTTCTCAAAGACTCAGGTCCCTCCAGCTATAAGGTGGGCACCATGTCGGAGAAGTTCGACTGTC  
 ACTACTGCAGGGACCCCTTGCAGGGGAAGAAGTACGTGCAGAAGGATGGCCGTCCTGCTGCCTGAAGTG  
 CTTTGACAAGTTCTGCGCAACACCTGCGTGGACTGCCGCAAGCCATAAGCGCTGATGCCAAGGAGGTG  
 CATTATAAGAATCGTACTGGCATGACAACCTGCTCCGCTGTGCCAAGTGCCTTACCCTTGGCCAGTG  
 AGACCTTTGTGTCCAAGGATGGCAAGATCCTGTGCAACAAGTGGCTACTCGGGAGGACTCCCCAGGTG  
 CAAAGGGTGCTTCAAGGCCATTGTGGCAGGAGACCAGAAATGTGGAGTACAAGGGCACCGTCTGGCATAAA  
 GACTGCTTACCTGCAGCAACTGCAAGCAAGTCATTGGGACCGGAAGCTTCTCCGAAAGGGGAGGACT  
 TCTACTGTGTGACTTGCCATGAGACCAAGTTCGCCAAGCATTGCGTGAAGTGAACAAGGCCATCACATC  
 TGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAGTGCTTTGTGTGTTACCTGCTAAGAAG  
 CTGGCTGGGCAGCGTTTCAACCGCTGTGGAGGACCAGTATTACTGCGTGGATTGCTACAAGAACTTTGTGG  
 CCAAGAAGTGTGCTGGATGCAAGAACCCCATCACTGGGTTTGGTAAAGGCTCCAGTGTGGTGGCCTATGA  
 AGGACAATCCTGGCAGGACTACTGCTTCCACTGCAAAAAATGCTCCGTGAATCTGGCCAACAAGCGCTTT  
 GTATTTTCATAATGAGCAGGTGTATTGCCCTGACTGTGCCAAAAAGCTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216736 representing NM\_010211  
Red=Cloning site Green=Tags(s)

MASQRHSGPSSYKVGTMSEKFDCHYCRDPLQGKKYVQKDRHCLKCFDKFCANTCVDCRKPI SADAKEV  
 HYKNRYWHDNCFRCAKCLHPLASETFVSKDGLKCNKCATREDSRCKGCFKAI VAGDQNVYKGTVWHK  
 DCFTCSNCKQVIGTGSFFPKGEDFYCVTCHETKFAKHCVKCNKAITSGGITYQDQPWHAECFVVCVTSKK  
 LAGQRFTA VEDQYYCVDCYKNFVAKKACGCKNPITGFGKGSVVAYEGQSWHDYCFHCKKCSVNLANKRF  
 VFHNEQVYCPDCAKKL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010211

**ORF Size:** 840 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:** [NM\\_010211.2](#), [NP\\_034341.2](#)

**RefSeq Size:** 2356 bp

**RefSeq ORF:** 843 bp

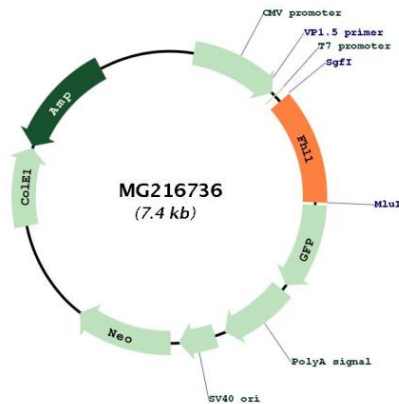
**Locus ID:** 14199

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

**Cytogenetics:** X A6

**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 MG216736