

## Product datasheet for **MG204101**

### **Fhl1 (NM\_001077362) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fhl1 (NM\_001077362) 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:** >MG204101 representing NM\_001077362  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCTCAAAGACTCAGGTCCCTCCAGCTATAAGGTGGGCACCATGTCGGAGAAGTTCGACTGTC  
ACTACTGCAGGGACCCCTTGCAGGGGAAGAAGTACGTGCAGAAGGATGGCCGTCCTGCTGCCTGAAGTG  
CTTTGACAAGTTCTGCGCAACACCTGCGTGGACTGCCGCAAGCCATAAGCGCTGATGCCAAGGAGGTG  
CATTATAAGAATCGTACTGGCATGACAACTGCTCCGCTGTGCCAAGTGCCTTACCCCTTGCCAGTG  
AGACCTTTGTGTCCAAGGATGGCAAGATCCTGTGCAACAAGTGGCTACTCGGGAGGACTCCCCAGGTG  
CAAAGGTGCTTCAAGGCCATTGTGGCAGGAGACCAGAAATGTGGAGTACAAGGGCACCGTCTGGCATAAA  
GACTGCTTACCTGCAGCAACTGCAAGCAAGTCATTGGGACCGGAAGCTTCTCCGAAAGGGGAGGACT  
TCTACTGTGTGACTTGCCATGAGACCAAGTTCCGCAAGCATTGCGTGAAGTGAACAAGGCCATCACATC  
TGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAGTGCTTTGTGTGTTACCTGCTAAGAAG  
CTGGCTGGGCAGCGTTTCAACGCTGTGGAGGACCAGTATTACTGCGTGGATTGCTACAAGAACTTTGTGG  
CCAAGAAGTGTGCTGGATGCAAGAACCCCATCACTGGGTTTGGTAAAGGCTCCAGTGTGGTGGCCTATGA  
AGGACAATCCTGGCAGACTACTGCTTCCACTGCAAAAAATGCTCCGTGAATCTGGCCAACAAGCGCTTT  
GTATTTTCATAATGAGCAGGTGTATTGCCCTGACTGTGCCAAAAAGCTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204101 representing NM\_001077362  
 Red=Cloning site Green=Tags(s)

MASQRHSGPSSYKVGTMSEKFDCHYCRDPLQGKKYVQKDRHCLKCFDKFCANTCVDCRKPI SADAKEV  
 HYKNRYWHDNCFRCAKCLHPLASETFVSKDGIKCNKCATREDSRCKGCFKAI VAGDQNV EYKGTVWHK  
 DCFTCSNCKQVIGTGSFFPKGEDFYCVTCHETKFAKHCVKCNKAITSGGITYQDQPWHAECFVVCVCSKK  
 LAGQRF TAVEDQYYCVDCYKNFVAKKACAGCKNPITGFGKGS SVVAYEGQSWHDYCFHCKKCSVNLANKRF  
 VFHNEQVYCPDCAKKL

TRTRPLE - GFP Tag - V

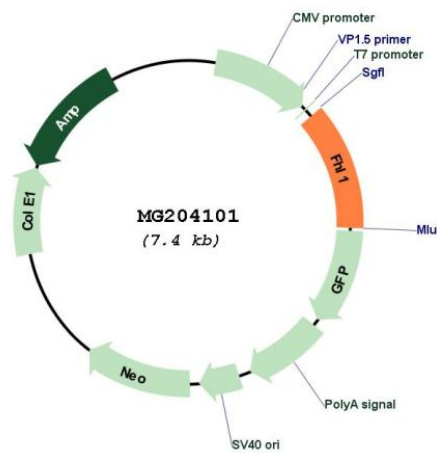
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001077362

**ORF Size:** 888 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_001077362.1</a> , <a href="#">NP_001070830.1</a>
<b>RefSeq Size:</b>	2324 bp
<b>RefSeq ORF:</b>	891 bp
<b>Locus ID:</b>	14199
<b>UniProt ID:</b>	<a href="#">P97447</a>
<b>Cytogenetics:</b>	X A6
<b>Gene Summary:</b>	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]