

Product datasheet for **MR216746**

Fhl1 (NM_001077361) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fhl1 (NM_001077361) 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: >MR216746 representing NM_001077361
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGAGAAGTTCGACTGTCACTACTGCAGGGACCCCTTGCAGGGGAAGAAGTACGTGCAGAAGGATG
GCCGCTCACTGCTGCCTGAAGTGCTTTGACAAGTTCTGCGCCAACACCTGCGTGGACTGCCGAAGCCCAT
AAGCGCTGATGCCAAGGAGGTGCATTATAAGAATCGCTACTGGCAGCACAACCTGCTCCGCTGTGCCAAG
TGCCCTCACCCCTTGCCAGTGAGACCTTTGTGTCCAAGGATGGCAAGATCCTGTGCAACAAGTGCCTA
CTCGGGAGGACTCCCCAGGTGCAAAGGGTGCTTCAAGGCCATTGTGGCAGGAGACCAGAACGTGGAGTA
CAAGGGCACCGTCTGGCATAAAGACTGCTTCACCTGCAGCAACTGCAAGCAAGTCATTGGGACCGGAAGC
TTCTTCCCGAAAGGGGAGGACTTCTACTGTGTGACTTGCCATGAGACCAAGTTCGCCAAACATTGCGTGA
AGTGCAACAAGGCCATCACATCTGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAGTGCTTTGT
GTGTGTTACCTGCTCTAAGAAGCTGGCTGGCAGCGTTTACCAGCTGTGGAGGACCAGTATTACTGCGTG
GATTGCTACAAGAACTTTGTGGCCAAGAAGTGTGCTGGATGCAAGAACCCCATCACTGGGAAAAGGACTG
TGCAAGAGTGAGCCACCCAGTCTCTAAAGCTAGGAAGTCCCCAGTGTGCCACGGGAAACGCTTGCTCT
CACCTGTTTCCAGCGCCAACCTCCGGGCAGGCATCCGGGTGGAGAGAGGACTTGTCCCTCGTGGGTG
GTGGTTCTTTATAGAAAAATCGAAGCTTAGCAGCTCCTCGAGGCCCGGGTTTGGTAAAGGCTCCAGTGT
GTTGGCCTATGAAGGACAATCCTGGCACGACTACTGCTTCCAAGTGCAAAAATGCTCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216746 representing NM_001077361
Red=Cloning site Green=Tags(s)

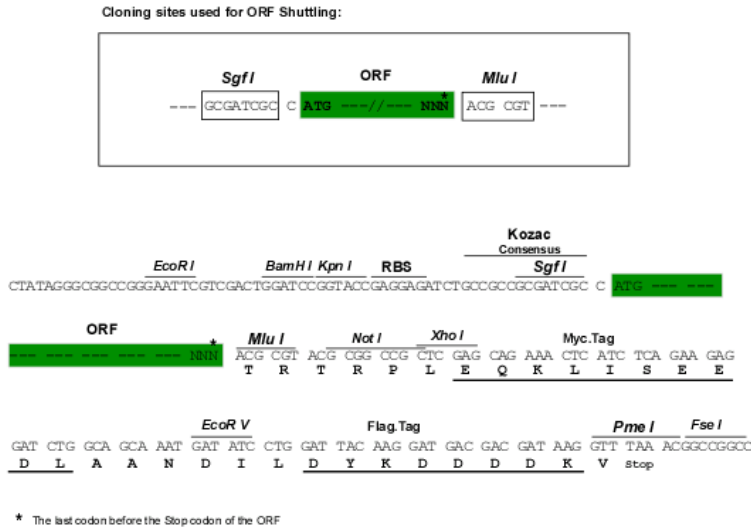
MSEKFDCHYCRDPLQGKKYVQKDGHRHCLKCFDKFCANTCVDCRKPI SADAKEVHYKNRYWHDNCFRCAK
 CLHPLASETFVSKDGKILCNKCATREDSRCKGCFKAI VAGDQNV EYKGT VWHKDCFTCSNCKQVIGTGS
 FFPKGEDFYCVTCHETKFAKHCVKCNKAITSGGITYQDQPWHAECFVCVTCSSKLAGQRFTAVEDQYYCV
 DCYKNFVAKK CAGCKNPITGKRTVSRVSHPVSKARKSPVCHGKRLPLTLFSPANLRGRHPGGERTCPSWV
 VVLYRKNRSLAAPRGPGLVKAPVWVPMKDNPGTTTASTAKNAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1580_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077361

ORF Size: 969 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_001077361.1](#), [NP_001070829.1](#)

RefSeq Size: 2686 bp

RefSeq ORF: 972 bp

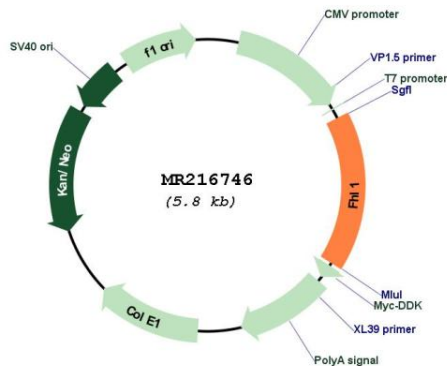
Locus ID: 14199

Cytogenetics: X A6

MW: 36.7 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 MR216746