

Product datasheet for **MR204101**

Fhl1 (NM_001077362) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fhl1 (NM_001077362) 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:	>MR204101 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCTCAAAGACTCAGGTCCCTCCAGCTATAAGGTGGGCACCATGTCGGAGAAGTTCGACTGTC
ACTACTGCAGGGACCCCTTGCAGGGGAAGAAGTACGTGCAGAAGGATGGCCGTCCTGCTGCCTGAAGTG
CTTTGACAAGTTCTGCGCAACACCTGCGTGGACTGCCGCAAGCCATAAGCGCTGATGCCAAGGAGGTG
CATTATAAGAATCGTACTGGCATGACAACCTGCTCCGCTGTGCCAAGTGCCTTACCCCTTGCCAGTG
AGACCTTTGTGTCCAAGGATGGCAAGATCCTGTGCAACAAGTGGCTACTCGGGAGGACTCCCCAGGTG
CAAAGGTGCTTCAAGGCCATTGTGGCAGGAGACCAGAAATGTGGAGTACAAGGGCACCGTCTGGCATAAA
GACTGCTTACCTGCAGCAACTGCAAGCAAGTCATTGGGACCGGAAGCTTCTCCGAAAGGGGAGGACT
TCTACTGTGTGACTTGCCATGAGACCAAGTTCGCCAAGCATTGCGTGAAGTGAACAAGGCCATCACATC
TGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAGTGCTTTGTGTGTTACCTGCTAAGAAG
CTGGCTGGGCAGCGTTTCAACCGCTGTGGAGGACCAGTATTACTGCGTGGATTGCTACAAGAACTTTGTGG
CCAAGAAGTGTGCTGGATGCAAGAACCCCATCACTGGGTTTGGTAAAGGCTCCAGTGTGGTGGCCTATGA
AGGACAATCCTGGCAGACTACTGCTTCCACTGCAAAAAATGCTCCGTGAATCTGGCCAACAAGCGCTTT
GTATTTTATAATGAGCAGGTGTATTGCCCTGACTGTGCCAAAAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204101 protein sequence
Red=Cloning site Green=Tags(s)

MASQRHSGPSSYKVGTMSEKFDCHYCRDPLQGKKYVQKDRHCLKCFDKFCANTCVDCRKPI SADAKEV
 HYKNRYWHDNCFRCAKCLHPLASETFVSKDGKILCNKCATREDSRCKGCFKAI VAGDQNV EYKGTVWHK
 DCF TCSNCKQVIGTGSFFPKGEDFYCVTCHETKFAKHCVKCNKAITSGGITYQDQPWHAECFVCVTC SKK
 LAGQRFTA VEDQYYCVD CYKNFVAKKACAGCKNPITGFGKGS SVVAYEGQSWHDYCFHCKKCSVNLANKRF
 VFHNEQVYCPDCAKKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001077362

ORF Size: 891 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_001077362.1](#), [NM_001077362.2](#), [NP_001070830.1](#)

RefSeq Size: 2329 bp

RefSeq ORF: 891 bp

Locus ID: 14199

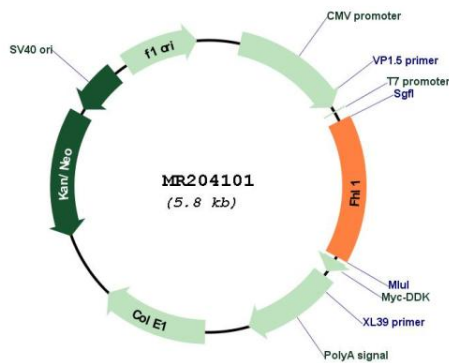
UniProt ID: [P97447](#)

Cytogenetics: X A6

MW: 33.6 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 MR204101