

## Product datasheet for MR203785

### Fhl1 (BC031120) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fhl1 (BC031120) 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:	>MR203785 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGAGAAGTTCGACTGTCCTACTGCAGGGACCCCTTGCAGGGGAAGAAGTACGTGCAGAAGGATG  
GCCGTCCTGCTGCTGAAGTGCCTTGACAAGTTCTGCGCAACACCTGCGTGGACTGCCGAAGCCCAT  
AAGCGCTGATGCCAAGGAGGTGCATTATAAGAATCGCTACTGGCAGCAACTGCTTCCGCTGTGCCAAG  
TGCTTCCACCCCTTGCCAGTGAGACCTTTGTGTCCAAGGATGGCAAGATCCTGTGCAACAAGTGCCTA  
CTCGGGAGGACTCCCCAGGTGCAAAGGGTGTCTCAAGGCCATTGTGGCAGGAGACCAGAACGTGGAGTA  
CAAGGGCACCGTCTGGCATAAAGACTGCTTCACCTGCAGCAACTGCAAGCAAGTCATTGGGACCGGAAGC  
TTCTTCCCGAAAGGGGAGGACTTCTACTGTGTGACTTGCCATGAGACCAAGTTCGCCAAACATTGCGTGA  
AGTGCAACAAGGCCATCACATCTGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAGTGTCTTGT  
GTGTGTTACCTGCTCTAAGAAGCTGGCTGGCAGCGTTTCACCGCTGTGGAGGACCAGTATTACTGCGTG  
GATTGCTACAAGAACTTTGTGGCCAAGAAGTGTGCTGGATGCAAGAACCCCATCACTGGGTTTGGTAAAG  
GCTCCAGTGTGGTGGCCTATGAAGGACAATCCTGGCAGGACTACTGCTTCCACTGCAAAAAATGCTCCGT  
GAATCTGGCCAACAAGCGCTTTGTATTTTCATAATGAGCAGGTGTATTGCCCTGACTGTGCCAAAAAGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR203785 protein sequence  
 Red=Cloning site Green=Tags(s)

MSEKFDCHYCRDPLQGKKYVQKDRHCCLKCFDKFCANTCVDCRKPI SADAKEVHYKNRYWHDNCFRCAK  
 CLHPLASETFVSKDGKILCNKCATREDSPRCKGCFKAI VAGDQNV EYKGTVWHKDCFTCSNCKQVIGTGS  
 FFPKGEDFYCVTCHETKFAKHCVKCNKAITSGGITYQDQPWHAECFVCVTC SKKLAGQRFTAVEDQYYCV  
 DCYKNFVAKK CAGCKNPITGFGKSSV VAYEGQSWHDYCFHCKKCSVNLANKRFV FHNEQVYCPDCAKKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** BC031120

**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:** [BC031120](#), [AAH31120](#)

**RefSeq Size:** 2245 bp

**RefSeq ORF:** 842 bp

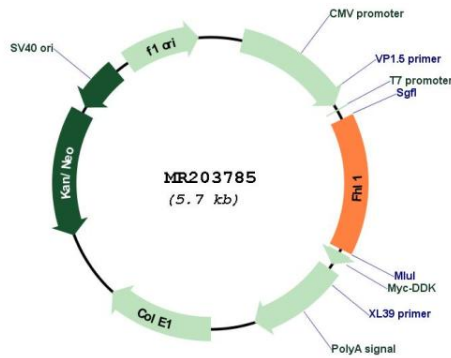
**Locus ID:** 14199

**Cytogenetics:** X A6

**MW:** 31.9 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 MR203785