

Product datasheet for **MR228964**

Fhl1 (NM_001287800) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fhl1 (NM_001287800) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fhl1
Synonyms: FHL-1; KyoT; RAM14-1; SLIM; SLIM-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228964 representing NM_001287800
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCGGAGAAGTTCGACTGTCACTACTGCAGGGACCCCTTGCAGGGGAAGAAGTACGTGCAGAAGGATG
GCCGTCCTGCTGCCTGAAGTGTCTTGACAAGTTCTGCCCAACACCTGCGTGGACTGCCGAAGCCCAT
AAGCGCTGATGCCAAGGAGGTGCATTATAAGAATCGCTACTGGCAGCAACTGCTTCCGCTGTGCCAAG
TGCCCTCACCCCTTGCCAGTGAGACCTTTGTGTCCAAGGATGGCAAGATCCTGTGCAACAAGTGGCCTA
CTCGGGAGGACTCCCCAGGTGCAAAGGGTGTCTCAAGGCCATTGTGGCAGGAGACCAGAACGTGGAGTA
CAAGGGCACCGTCTGGCATAAAGACTGTTCACCTGCAGCAACTGCAAGCAAGTCAATGGGACCGGAAGC
TTCTTCCCGAAAGGGGAGGACTTCTACTGTGTGACTTGCCATGAGACCAAGTTCGCCAAACATTGCGTGA
AGTGCAACAAGGCCATCACATCTGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAGTGTCTTGT
GTGTGTTACCTGCTCTAAGAAGCTGGCTGGCAGCGTTTACCCTGTGGAGGACCAGTATTACTGCGTG
GATTGCTACAAGAACTTTGTGGCCAAGAAGTGTGCTGGATGCAAGAACCCCATCACTGGGTTTGGTAAAG
GCTCCAGTGTGGTGGCCATGAAGGACAATCCTGGCAGCACTACTGCTTCCACTGCAAAAAATGCTCCGT
GAATCTGGCCAACAAGCGCTTTGTATTTTCATAATGAGCAGGTGTATTGCCCTGACTGTGCCAAAAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228964 representing NM_001287800
Red=Cloning site Green=Tags(s)

MSEKFDCHYCRDPLQGKKYVQKDRHCCLKCFDKFCANTCVDCRKPI SADAKEVHYKNRYWHDNCFRCAK
 CLHPLASETFVSKDGKILCNKCATREDSRCKGCFKAI VAGDQNV EYKGT VWHKDCFTCSNCKQVIGTGS
 FFPKGEDFYCVTCHETKFAKHCVKCNKAITSGGITYQDQPWHAECFVCVTC SKKLAGQRFTAVEDQYYCV
 DCYKNFVAKK CAGCKNPITGFGKSSV VAYEGQSWHDYCFHCKKCSVNLANKRFV FHFNEQVYCPDCAKKL

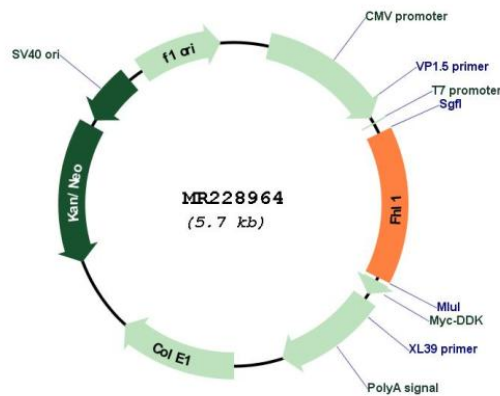
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001287800
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:	<ol style="list-style-type: none">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_001287800.1 , NP_001274729.1
RefSeq Size:	2273 bp
RefSeq ORF:	843 bp
Locus ID:	14199
UniProt ID:	P97447
Cytogenetics:	X A6
MW:	32.3 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]