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Product datasheet for MG216746

Fhl1 (NM_001077361) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fhl1 (NM_001077361) 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:

>MG216746 representing NM_001077361
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGGAGAAGTTCGACTGTCACTACTGCAGGGACCCCTTGCAGGGGAAGAAGTACGTGCAGAAGGATG
GCCGTCACTGCTGCCTGAAGTGCTTTGACAAGTTCTGCGCCAACACCTGCGTGGACTGCCGCAAGCCCAT
AAGCGCTGATGCCAAGGAGGTGCATTATAAGAATCGCTACTGGCACGACAACTGCTTCCGCTGTGCCAAG
TGCCTTCACCCCTTGGCCAGTGAGACCTTTGTGTCCAAGGATGGCAAGATCCTGTGCAACAAGTGCGCTA
CTCGGGAGGACTCCCCCAGGTGCAAAGGGTGCTTCAAGGCCATTGTGGCAGGAGACCAGAACGTGGAGTA
CAAGGGCACCGTCTGGCATAAAGACTGCTTCACCTGCAGCAACTGCAAGCAAGTCATTGGGACCGGAAGC
TTCTTCCCGAAAGGGGAGGACTTCTACTGTGTGACTTGCCATGAGACCAAGTTCGCCAAACATTGCGTGA
AGTGCAACAAGGCCATCACATCTGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAGTGCTTTGT
GTGTGTTACCTGCTCTAAGAAGCTGGCTGGGCAGCGTTTCACCGCTGTGGAGGACCAGTATTACTGCGTG
GATTGCTACAAGAACTTTGTGGCCAAGAAGTGTGCTGGATGCAAGAACCCCATCACTGGGAAAAGGACTG
TGTCAAGAGTGAGCCACCCAGTCTCTAAAGCTAGGAAGTCCCCAGTGTGCCACGGGAAACGCTTGCCTCT
CACCCTGTTTCCCAGCGCCAACCTCCGGGGCAGGCATCCGGGTGGAGAGAGGACTTGTCCCTCGTGGGTG
GTGGTTCTTTATAGAAAAAATCGAAGCTTAGCAGCTCCTCGAGGCCCGGGTTTGGTAAAGGCTCCAGTGT
GGTGGCCTATGAAGGACAATCCTGGCACGACTACTGCTTCCACTGCAAAAAATGCTCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

>MG216746 representing NM_001077361
Red=Cloning site Green=Tags(s)

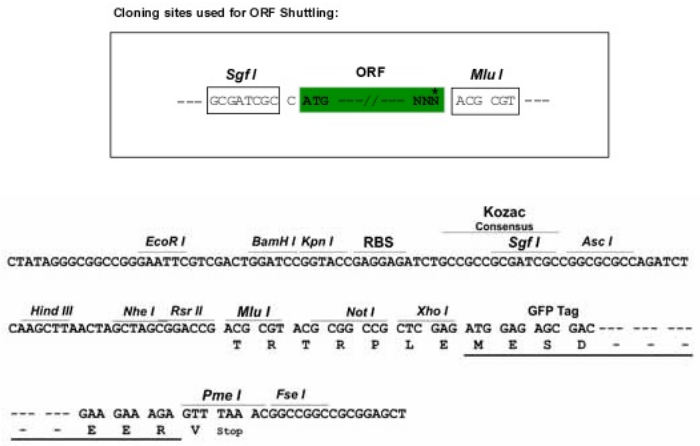
MSEKFDCHYCRDPLQGKKYVQKDGRHCCLKCFDKFCANTCVDCRKPISADAKEVHYKNRYWHDNCFRCAK
CLHPLASETFVSKDGKILCNKCATREDSPRCKGCFKAIVAGDQNVEYKGTVWHKDCFTCSNCKQVIGTGS
FFPKGEDFYCVTCHETKFAKHCVKCNKAITSGGITYQDQPWHAECFVCVTCSKKLAGQRFTAVEDQYYCV
DCYKNFVAKKCAGCKNPITGKRTVSRVSHPVSKARKSPVCHGKRLPLTLFPSANLRGRHPGGERTCPSWV
VVLYRKNRSLAAPRGPGLVKAPVWWPMKDNPGTTTASTAKNAP

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1584_h03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077361

ORF Size: 969 bp

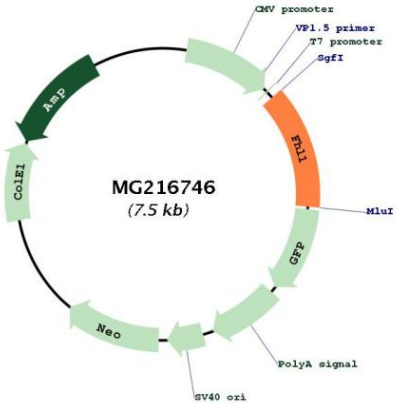
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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
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 MG216746