

Product datasheet for **SC327435**

FHL1 (NM_001159704) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FHL1 (NM_001159704) Human Untagged Clone
Tag:	Tag Free
Symbol:	FHL1
Synonyms:	FCMSU; FHL-1; FHL1A; FHL1B; FLH1A; KYOT; RBMX1A; RBMX1B; SLIM; SLIM-1; SLIM1; SLIMMER; XMPMA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327435 representing NM_001159704. Blue=Insert sequence Red=Cloning site Green=Tag(s)

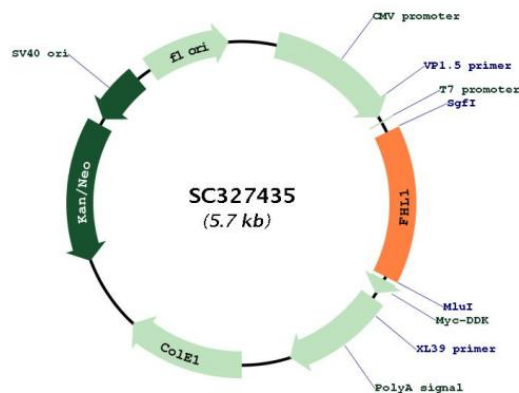
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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
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ATGGCGGAGAAGTTTGACTGCCACTACTGCAGGGATCCCTTGCAGGGGAAGAAGTATGTGCAAAAGGAT
GGCCACCACTGCTGCCTGAAATGCTTTGACAAGTTCTGTGCCAACACCTGTGTGGAATGCCGCAAGCCC
ATCGGTGCGGACTCCAAGGAGGTGCACTATAAGAACCGCTTCTGGCATGACACCTGCTTCCGCTGTGCC
AAGTGCCTTACCCTTGGCCAATGAGACCTTTGTGGCCAAGGACAACAAGATCCTGTGCAACAAGTGC
ACCACTCGGGAGGACTCCCCAAGTGAAGGGGTGCTTCAAGGCCATTGTGGCAGGAGATCAAAACGTG
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GGAAGCTTCTCCCTAAAGGGGAGGACTTCTACTGCGTGACTTGCCATGAGACCAAGTTTGCCAAGCAT
TGCGTGAAGTGAACAAGGCCATCACATCTGGAGGAATCACTTACCAGGATCAGCCCTGGCATGCCGAT
TGCTTTGTGTGTGTACCTGCTCTAAGAAGCTGGCTGGGCAGCGTTTACCAGCTGTGGAGGACCAGTAT
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TTTGGTAAAGGCTCCAGTGTGGTGGCCTATGAAGGACAATCCTGGCAGCACTACTGCTTCCACTGCAAA
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GCCAAAAGCTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_001159704

Insert Size: 843 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001159704.1](#)

RefSeq Size: 2906 bp

RefSeq ORF: 843 bp

Locus ID: 2273
UniProt ID: [Q13642](#)
Cytogenetics: Xq26.3
MW: 31.9 kDa

Gene Summary: This gene encodes a member of the four-and-a-half-LIM-only protein family. Family members contain two highly conserved, tandemly arranged, zinc finger domains with four highly conserved cysteines binding a zinc atom in each zinc finger. Expression of these family members occurs in a cell- and tissue-specific mode and these proteins are involved in many cellular processes. Mutations in this gene have been found in patients with Emery-Dreifuss muscular dystrophy. Multiple alternately spliced transcript variants which encode different protein isoforms have been described.[provided by RefSeq, Nov 2009]
Transcript Variant: This variant (4) differs in the 5' UTR, 3' UTR, and 3' coding region compared to variant 1. The encoded protein (isoform 2) has a distinct C-terminus and is shorter than isoform 1. Variants 2, 3, 4 and 9 encode the same protein (isoform 2).