

Product datasheet for **SC117379**

FHL3 (NM_004468) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FHL3 (NM_004468) Human Untagged Clone
Tag:	Tag Free
Symbol:	FHL3
Synonyms:	SLIM2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004468, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGAGTCATTTGACTGTGCAAAAATGCAACGAGTCCCTGTATGGACGCAAGTACATCCAGACAGACA  
GCGGCCCTACTGTGTGCCCTGCTATGACAATACCTTTGCCAACACCTGTGCTGAGTGCCAGCAGCTTAT  
CGGGCATGACTCGAGGGAGCTGTTCTATGAAGACCGCCATTTCCACGAGGGCTGCTCCGCTGCTGCCGC  
TGCCAGCGCTCACTAGCCGATGAACCTTCACCTGCCAGGACAGTGAGCTGCTCTGCAATGACTGCTACT  
GCAGTGCCTTTTCTCGCAGTGCTCCGCTTGTGGGGAGACTGTCATGCCTGGGTCCCGGAAGCTGGAATA  
TGGAGGCCAGACATGGCATGAGCACTGCTTCTGTGCAAGTGGCTGTGAACAGCCACTGGGCTCCCGTTCT  
TTTGTGCCGACAAGGGTGTCACTACTGCGTGCCCTGCTATGAGAACAAGTTTGCTCCTCGCTGCGCCC  
GCTGCAGCAAGACGCTGACACAGGGTGGAGTGACATACCGTGATCAGCCGTGGCATCGAGAATGTCTGGT  
CTGTACCGGATGCCAGACGCCCCGGCAGGGCAGCAGTTCACCTCCCGGGATGAAGATCCCTACTGTGTG  
GCCTGTTTTGGAGAACTTTGCACCTAAGTGCAGCAGCTGCAAGCGCCCCATCGTAGGACTCGGTGGAG  
GCAAGTATGTGTCCTTTGAAGACCGACTGGCACCACAAGTCTCTCCTGCGCCCGTGTCTACCTC  
CCTGGTGGCCAGGGCTTCGTACCGGATGGAGACCAAGTGTCTGCCAGGGCTGTAGCCAGGCAGGGCCC  
TAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004468 unedited NGTTCAAATATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGAGTCGGC AGCCTCGCCGGCAGCTCGCTCGGCCCGCTTGGCCCGGCCCGCAGGTAGGAGCCGCCGA GGGACGCGGCCCGGTTCCCGGCCCGCTGCGCCGCGCTCCCGCTCCCGCCGCC GCTTCGAGGGTCTCTCCCTTGCCACCATGAGCGAGTCATTTGACTGTGCAAAATGCAA CGAGTCCCTGTATGGACGCAAGTACATCCAGACAGACAGCGGCCCTACTGTGTGCCCTG CTATGACAATACCTTTGCCAACACCTGTGCTGAGTGCCAGCAGCTTATCGGGCATGACTC GAGGGAGCTGTTCTATGAAGACCGCCATTTCACGAGGGCTGCTCCGCTGCTGCCGCTG CCAGCGCTCACTAGCCGATGAACCCTTACCTGCCAGGACAGTGAGCTGCTCTGCAATGA CTGCTACTGCAGTGCGTTTTCTCGCAGTGCTCCGCTTGTGGGAGACTGTATGCCTGN GTCCCGGAAGCTGGAATATGGAGGCCAGACATGGCATGAGCACTGCTTCTGTGCAGTGG CTGTGAACAGCCACTGGGCTCCCGTTCTTTGTGCCGACAAGGGTGCTCACTACTGCGT GCCCTGTATGAGAACCCAGTTGCTCCTCGCTGCGCCCGCTGCAGNCAGACGCTGACACA GGGTGGAGTGACATACCGTGATCAGCCGTGCATCGAGAATGTCTGGTCTGTACCGGATGC CAGCGCCCTGCAGNNCAGCAGTTCACCTCCGGAATGAGATCCCTACGGGGCCTGGTTT GGAGACTTTTGGCCCTAGTGCAGCAGCTGCAGGCCCATCGAGGACTCGGTGGAGCAAA NTATGGGTCCCTAGAGAACGAACTGGCCCAATGGTTTTCTGCGCGTGTACTCCCTG GGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_004468
Insert Size:	1850 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).
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_004468.3 , NP_004459.2
RefSeq Size:	1738 bp
RefSeq ORF:	843 bp
Locus ID:	2275
UniProt ID:	Q13643
Cytogenetics:	1p34.3
Domains:	LIM

Gene Summary:

The protein encoded by this gene is a member of a family of proteins containing a four-and-a-half LIM domain, which is a highly conserved double zinc finger motif. The encoded protein has been shown to interact with the cancer developmental regulators SMAD2, SMAD3, and SMAD4, the skeletal muscle myogenesis protein MyoD, and the high-affinity IgE beta chain regulator MZF-1. This protein may be involved in tumor suppression, repression of MyoD expression, and repression of IgE receptor expression. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).