

Product datasheet for **SC303020**

FHL2 (NM_001450) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FHL2 (NM_001450) Human Untagged Clone
Tag:	Tag Free
Symbol:	FHL2
Synonyms:	AAG11; DRAL; FHL-2; SLIM-3; SLIM3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001450 edited ATGACTGAGCGCTTTGACTGCCACCATTGCAACGAATCTCTCTTTGGCAAGAAGTACATC CTGCGGGAGGAGAGCCCCCTACTGCGTGGTGTGCTTTGAGACCCTGTTGCGCAACACCTGC GAGGAGTGTGGGAAGCCCATCGGCTGTGACTGCAAGGACTTGTCTTACAAGGACCGGCAC TGGCATGAAGCCTGTTTCCACTGCTCGCAGTGCAGAACTCACTGGTGGACAAGCCCTTT GCTGCCAAGGAGGACCAGCTGCTGTACAGACTGCTATTCCAACGAGTACTCATCCAAG TGCCAGGAATGCAAGAAGACCATCATGCCAGGTACCCGCAAGATGGAGTACAAGGCAGC AGCTGGCATGAGACCTGCTTCATCTGCCACCGCTGCCAGCAGCCAATTGGAACCAAGAGT TTCATCCCAAGACAATCAGAATTTCTGTGTGCCCTGCTATGAGAAACAACATGCCATG CAGTGCCTCAGTGCAAAAAGCCCATCACCACGGGAGGGTCACTTACCGGGAGCAGCCC TGGCACAAGGAGTGCTTCGTGTGCACCGCCTGCAGGAAGCAGCTGTCTGGCAGCGCTTC ACAGCTCGCGATGACTTTGCCTACTGCCTGAACTGCTTCTGTGACTTGTATGCCAAGAAG TGTGCTGGGTGCACCAACCCCATCAGCGGACTTGGTGGCAGAAAATACATCTCCTTTGAG GAACGGCAGTGGCATAACGACTGCTTTAACTGTAAGAAGTGTCCCTCTCACTGGTGGGG CGTGGCTTCTCACAGAGAGGGATGACATCCTGTGCCCGACTGTGGAAAGACATCTGA
Restriction Sites:	Please inquire
ACCN:	NM_001450
Insert Size:	850 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).



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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:	<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:	<u>NM_001450.3, NP_001441.4</u>
RefSeq Size:	1735 bp
RefSeq ORF:	840 bp
Locus ID:	2274
UniProt ID:	<u>Q14192</u>
Cytogenetics:	2q12.2
Protein Families:	Druggable Genome
Gene Summary:	<p>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. This protein is thought to have a role in the assembly of extracellular membranes. Also, this gene is down-regulated during transformation of normal myoblasts to rhabdomyosarcoma cells and the encoded protein may function as a link between presenilin-2 and an intracellular signaling pathway. Multiple alternatively spliced variants encoding different isoforms have been identified. [provided by RefSeq, Jan 2016]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 2. Variants 1, 2, 4, 5, 6, 7, and 8 all encode the same isoform (a).</p>