

## Product datasheet for **SC301647**

### SOHLH1 (NM\_001012415) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOHLH1 (NM_001012415) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOHLH1
Synonyms:	bA100C15.3; bHLHe80; C9orf157; NOHLH; ODG5; SPATA27; SPGF32; TEB2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001012415 edited  
 GTCGAGAGCGGGGGGCGGGGCTGCCTGCGGAAGGGGCCGTGCGCGTGGGGTCGCTCCGC  
 AGCTGCGAGTTTCATGGCGTCCCGGTGCTCCGAGCCCTACCCGGAGGTCTCCAGAAATCCCC  
 ACCGTACAGGGGATGCAACGGCTCCCTGTCTGGTGCCCTCTCTGCTGCGAGGACTCGGCC  
 CAGGGCTCGGGCCCGCCAAGGCCCTACGGTGGCCGAGGGTCCCAGCTCCTGCCTTCGG  
 CGGAACGTGATCAGCGAGAGGGAGCGCAGGAAGCGGATGTCGTTGAGCTGTGAGCGTCTG  
 CGGGCCCTGCTGCCCAAGTTTCGATGGCCGGCGGAGGACATGGCCCTCGGTCTGGAGATG  
 TCTGTGCAGTTCCCTGCGCTTGCCAGCGCCCTGGGGCCAGTCAGGAGCAGCAGCTATT  
 CTTGCTTCTCCAAGAAATGTGGCACTCGTTGACAGGAGATGTTTTACAGTTGACGTTG  
 TCGAGTCAGATCAAGCAGGTGTGCCAGACCCTGGGACGGGAGCGTCCAGCGGGACTCGA  
 ACCCCAGATGTGAAGGCGTTTCTGGAAAGTCCTTGGTCCCTGGATCCAGCGTCCGGCCAGC  
 CCAGAGCCCGTCCCGCACATCCTTGCCTCCAGGCAGTGGACCCCGCGAGCTGCACG  
 TCCCTGGGCACGGACAAGTGTGAGGCACTGTTGGGGCTGTGCCAGGTGCGGGGTGGGCTG  
 CCCCTTTCTCAGAACCTCCAGCCTGGTCCCGTGGCCCCAGGCCGGAGTCTTCCTAAG  
 GCTGTGAGGCCACCCCTGCTGCTGCGCTCGTTCTCGCAGCAGCAGACCTTGCCCGTGATG  
 AGCGGGGAGGCCCTTGGCTGGCTGGGCCAGGCTGGTCCCTGGCCATGGGGGCTGCACCT  
 CTGGGGGAGCCAGCCAAGGAGGACCCCATGCTGGCGCAGGAGGCCGGGTCTGCGTTGGGG  
 TCTGATGTGGACGATGGGACGTCCTTCTGCTGACTGCTGGTCCCAGCTCGTGGCCGGGT  
 GAGTGGGGCCCTGGGTTCAAGGCTGGTCCCCCTGCGTAAGCACCTGATATGAGCTGGGGA  
 ATTGGGACTCAGGCCTAGCGTGTGTGAGGGGGCCCCAGGGTCTGTGTCTGAGCCCCCGTT  
 TTCTCCACCGTTGGTGTAGCTGTTGGGCCGTGTCTGGTATTGAGCGTTATAGGTGATA  
 TGTGAGTGTGTGAGTGAACGTGATGTGGACGAGCCTGCATGAGAGCTGGCGGTGCTTGA  
 GCCCTGTATTCTTCCCCTTGACCCTGTGTGACGAGGCCCTGGTCCAGCCCGTGTGGC  
 CGGCAAAGGTGTATGGCCCTGTGACATGGCGTGTGTCCATTCCATTTAGGATTTAGTGTT  
 TGGGAGCCGTTCTGGTCTGGTCCAACAGGTGTCTGGGTCTGGGGCCACCAGGTATG  
 AGCTCACACACCTCATCACACCTCTGTGCAGCGGGGACAGGGCAGGGCAGACGGACTGA  
 GGTGGGAGCTCTGTTCTCCGACCCACCTGTCTGCCTCAAGCTCCAGAGCACATGCCT  
 GCCCTGCCGATGTGCTGTTTGTCTCCAGGGTCTCTGGAGGGTCCGAGGAGGCAGTGGCC  
 CTGCATGGGCCCCAGCTGAGAGCAGTCCACTGGATGTTGGAGAGCCAGGCTTCTAGGGG  
 ACCCTGAGCTTGGCTCCCAGGAGCTCCAGGACAGCCCTCTGGAGCCGTGGGGCTGGATG  
 TGGACTGTGCAGGCTGGCCCTGAAGGACGAGGTGGAGAGCATCTCCCTGACTTCTTTG  
 CCTGCTAGCAGCCAGGCTGTGGAGAGGAGCGGGCGGGCCGGTGGATCTGGAGCCGTGT  
 GTGTCCCTGTGCGGTGCTTGGGCATTTTATTTTGGGTTTGGGTTGCAGCTGCACCCTAAT  
 TTGAGCGAGGCTTACAGGCTGTGAGAAGAGGATAGTGAATATTAAGAGGGAAAGCAGTT  
 TTCCTGGAGGAAGCAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001012415

**Insert Size:** 2000 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\\_001012415.1](#), [NP\\_001012415.1](#)

**RefSeq Size:** 1987 bp

**RefSeq ORF:** 987 bp

**Locus ID:** 402381

**UniProt ID:** [Q5JUK2](#)

**Cytogenetics:** 9q34.3

**Gene Summary:** This gene encodes one of testis-specific transcription factors which are essential for spermatogenesis, oogenesis and folliculogenesis. This gene is located on chromosome 9. Mutations in this gene are associated with nonobstructive azoospermia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]  
Transcript Variant: This variant (2) lacks a splice junction in the 3' region, compared to variant 1. The resulting isoform (b) is shorter and has a different C-terminus, compared to isoform a.