

## Product datasheet for **SC122867**

### SOHLH2 (NM\_017826) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOHLH2 (NM_017826) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOHLH2
Synonyms:	bHLHe81; SOSF2; SPATA28; TEB1
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\_017826 edited  
 AGCGGCTGTGGAGCTCCTCTGCTGGGAGGCTGCCCCAGGACCCAGCACGTGCGCAGCGG  
 CCATGGCTTCTCAATTACTGCCAGGAGCACTGCCAGATCTCGGGCCAGGCAAAAATAG  
 ACATCTTATTAGTTGGAGATGTCACCTGTGGGCTACCTGGCTGATACTGTACAGAACTAT  
 TTGCAAACATAGCAGAAGTCACCATCACCATCAGTGACACGAAGGAGGCAGCAGCGCTTT  
 TGGATGATTGCATATTCAACATGGTTCTCTTGAAGTGCCTTCTCACTAAGTCCCGAGG  
 AGCTGGAAGCCATCAAGTTAATTAGATTGGCAAAAAGAAAAATACACATTCACTGTTTG  
 TTTTATAATCCCTGAAAATTTTAAAGGTTGATTTTCAGGGCATGGAATGGATATTGCTT  
 TAACTGAACCACTGACAATGAAAAAATGAGTAATGTGGTAAAATACTGGACAACATGTC  
 CCTCAAACACTGTTAAGACTGAAAACGCAACTGGGCTGAAGAACTTGGATTGCCCTGC  
 AGAGGCTCTACAGCGAACACCTGGGATATTTTCTACTGATCTATTTGCCTGCTCTGAAT  
 CTTTAAGGAATGGCAATGGGCTTGAATTAATGCTTCGTTGTGAGAGTTCGAGAAAAACA  
 AAAAGATCTCTCTTCTTCAAGCAAGGAAAACTAAGAAGGCTGTACAGGAAGCATA  
 GCAGCTTCTGTTTCTGGTGAAGCCCTCAGGAAGCTTACAATCATGGCAGGAGGCAAAGTGG  
 AGCCAATGTGTACATAGCAAGAGGAGGAGCAAGAGAGAGAAAAGGAGAGGCCCAAC  
 TCTTTAAACCACAGATCTTGATGAAGTGAAGTGAAGTCACTCATCACAAGGGGAT  
 GCGCTAAGCTAAGCCCTAGAGTCCCCCATGATTTAACACCTCCCACCAGGTTCCACCT  
 CCAACATTGGGCATCACATTTACCATAAGATTTGGAGGGGACAAAACATCCAAGCCACA  
 TCAGTTATCAACCCAGCATTGTTATTTGTTTTGCTTAAACAGTAAGCTGTGCGCCAGTTA  
 TCTAATACTGTACAACAGATTACTCTGAACTTGGTAGTGAAATCAACAACTGTTTAT  
 CATATCTCATGATTTTGTGAGTACCAGTTTGGCAGAGCTTGGCTCTGTGATTTCTC  
 AGTGTGGTGTAAACCATGGCACTCCGTGATGTTTCCAGCAGAAAAGTGGCCTGTCTGGAG  
 ATTCAGCGCAGCGTCATCCACACATGTGGTCTTCTGGTGGGTGGCTGCAGTTGTGC  
 TCAAATGGGCTGTTCTTCCCTGTGGTCTCATCACTTCTCCACATGGTATCTCCAGCAAGC  
 TAGAAGGACCTCTTACATGAAGGCTTAGGATTCATGAGACCAGTGTGAAAGCTACATCT  
 TCTGAAATGCTGGTCCCAGAACTCTCATAGAGTCACTCTCCAGATATCTTTGATTAAG  
 CAGGCACAGGCCAGTGAAGATTCAAGAGGAGAGGAAATGGACCCTGACTTTCGTTGGAG  
 AAATAAGTAATTTTCACTGACTTAACTTAACTCTTATCTTTTTAACCCAAATTTCAGA  
 TTCTTGTGTTGAGTAGAACAGGCTTCTCACTGTATACAAGATTTTGTCTGAGTTGCAAAA  
 ATCTCTCCCATGAATTTCCCTGTATTACCATCTTTTGTCTGCAATTTCCCACTCAG  
 TCTTGGCTGCCACAATCAAAGGGACATAAAGTACAAGGACTTTTTTCTGCTCTGTGA  
 GTAGAAATCTTAGCAGTATACAGCTGCTTAGGCCTGTCAAATAAATATACTATTGGT  
 TTTTAAACATTAATAAATTAGAAAACCTACCTTTAATGTATGCCACCACAAAAA  
 AAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_017826 unedited  
 NCCAGTTTGGATTTGTATACCATTATATAGGCGGCCGATAAAGTTCGTATAGCATACATT  
 ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGAGCGGC  
 TGTGGAGCTCCTCCTGCTGGGAGGCTGCCCCAGGACCCAGCACGTGCGCAGCGGCCATGG  
 CTTCTCAATTATCTGCCAGGAGCACTGCCAGATCTCGGGCCAGGCAAAAATAGACATCT  
 TATTAGTTGGAGATGTCACCTGTGGGCTACCTGGCTGATACTGTACAGAACTATTTGCAA  
 ACATAGCAGAAGTCACCATCACCATCAGTGACACGAAGGAGGCAGCAGCGCTTTTGGATG  
 ATTGCATATTCAACATGGTTCTCTTGAAGTGCCTTCTCACTAAGTCCCGAGGAGCTGG  
 AAGCCATCAAGTTAATTAGATTTGGCAAAAAGAAAAATACACATTCACTGTTTGTTTTAA  
 TAATCCCTGAAAATTTTAAAGGTTGATTTTCAGGGCATGGAATGGATATTGCTTTAACTG  
 AACCACCTGACAATGAAAAAATGAGTAATGTGGTAAAATACTGGACAACATGTCCCTCAA  
 AACTGTTAAGACTGAAAACGCAACTGGGCTGAAGAACTTGGATTGCCCTGCAGAGGT  
 CCTACAGCGAACACCTGGGATATTTTCTACTGATCTATTTGCCTGCTCTGAATCTTTAA  
 GGAATGGCAATGGGCTTGAATTAATGCTTCGTTGTGAGAGTTCGAGAAAAACAAAAAGA  
 TCTCTCTTCTTCAAGCAGGAAAACTAAGAAGGCTGTACAGGAAGCATAGCAGCTT  
 TCTGTTCTGGTGAAGCCCTCAGAAAGCTACAATCATGGCAGGAGGCAAGTGGAGGCAAT  
 GTGTCACATAGCAN

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_017826
<b>Insert Size:</b>	1930 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_017826.1</a></u> , <u><a href="#">NP_060296.1</a></u>
<b>RefSeq Size:</b>	2147 bp
<b>RefSeq ORF:</b>	1278 bp
<b>Locus ID:</b>	54937
<b>UniProt ID:</b>	<u><a href="#">Q9NX45</a></u>
<b>Cytogenetics:</b>	13q13.3
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes one of testis-specific transcription factors which are essential for spermatogenesis, oogenesis and folliculogenesis. This gene is located on chromosome 13. The proteins encoded by this gene and another testis-specific transcription factor, SOHLH1, can form heterodimers, in addition to homodimers. There is a read-through locus (GeneID: 100526761) that shares sequence identity with this gene and the upstream CCDC169 (GeneID: 728591). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (2).</p>