

## Product datasheet for **SC123113**

### SPAG4L (SUN5) (NM\_080675) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SPAG4L (SUN5) (NM\_080675) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SPAG4L  
**Synonyms:** dj726C3.1; SPAG4L; SPGF16; TSARG4  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_080675 edited  
 ACTTTTCAGGGGACATTCAGAGGCATCAGCCCCTTCTCTCCTCACCAGCTCCCAGAGTTCC  
 CATCTCCATCCCCAATCCTAAAGAAGGAAATCGATGCCACGGTCTCAAGGAGCCCTGGG  
 GACCCAGGCGCCCTACTCGAAGATGTGGCCACAATCCCAGACCCCGGAGGATTGCCAG  
 CGAGGCCGGAACACCAGCAGGATGGCAGAGGACCTCCCAAACATGAATGACAACATC  
 CTGTTGCCTGTCCGAACAATGACCAAGCCCTAGGCCTGACTCAGTGCATGCTGGGATGT  
 GTGTCCTGGTTCACCTGTTTTGCCTGCTCCCTGAGAACTCAGGCCAGCAGGTTCTGTTT  
 AACACGTGCAGATGCAAGCTGCTGTGCCAGAAGCTCATGGAGAAGACAGGCATTCTGCTC  
 CTCTGTGCTTTTCGGATTCTGGATGTTTTCTATTCACTTACCATCGAAAAATGAAAGTCTGG  
 CAGGATGACAGCATAAATGGTCCACTGCAGAGCTTGAGGTTGTACCAGGAGAAGTGCGA  
 CATCACAGTGGGAAAATCCAGGACCTCCGAGGTAGCATGAACCAGCTCATTGCCAAGCTC  
 CAGGAGATGGAAGCCATGTCCGATGAGCAAAAAATGGCCAGAAAATAATGAAGATGATA  
 CACGGAGATTACATCGAAAAGCCAGACTTTGCCCTGAAGTCTATAGGGGCCAGCATTGAC  
 TTTGAGCACACGTCACTACCTATAACCATGAGAAGGCCCACTCTACTGGAAGTGGATC  
 CAGCTGTGGAAGTACGCACAGCCCCAGACGTGATCCTTGAGCCCAACGTGACACCTGGC  
 AATTGTGGGCTTTGAGGGTGACCCGGCCAGGTGACCATCAAATTGGCTCAGAAGGTT  
 TACCTGTCCAACCTCACGCTGCAGCACATCCCCAAGACCATCTCATTGTGAGGCAGCCTG  
 GACACCGCCCCAAGGACTTCGTCATCTATGGCATGGAGGGCTCCCCAAGGAGGAGGTG  
 TTCTGTGGGGCATTTCAGTTTCAGCCAGAAAACATCATCCAGATGTTCCCACTCCAGAAC  
 CAGCCGCCCCGGGCTTTAGTGGGTCAAGGTGAAGATCTCAAGCAACTGGGGGAACCCA  
 GGCTTCACTTGCCTGTACCGCGTGCGAGTGCATGGCTCTGTGGCCCCGCCAGAGAGCAG  
 CCTCACCAGAACCCTACCCTAAGAGAGATTAATAATTTATTCTTTACCCCAAAAAAAAAA  
 AAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_080675 unedited NNNGGAGTTCGGATTTTGTAAATACGACTCCTATAGGCGGCCGATAAATTTCGTATAGCAT ACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGA CTTTTAGGGGACATTGAGAGGCATCAGCCCCTCCTCCTCACCAGCTCCCAGAGTTCCC ATCTCCATCCCCAATCCTAAAGAAGGAAATCGATGCCACGGTCTCAAGGAGCCCTGGGG ACCCAGGCGCCCTACTCGAAGATGTGGCCACAATCCCAGACCCCGGAGGATTGCCCAGC GAGGCCGGAACACCAGCAGGATGGCAGAGGACACCTCCCCAAACATGAATGACAACATCC TGTTGCCTGTCCGAACAATGACCAAGCCCTATGCCTGACTCAGTGCATGCTGGGATGTG TGTCCTGGTTACCTGTTTTGCCTGCTCCTGAGAAGCTCAGGCCAGCAGTTCTGTTTA ACACGTGCAGATGCAAGCTGCTGTGCCAGAAGCTCATGGAGAAGACAGGCATTCTGCTCC TCTGTGCTTCGGATTCTGGATTTTTCTATTCACTTACCATCGAAAAATGAAAGTCTGGC AGGATGACAGCATAAATGGTCCACTGCAGAGCTTGAGGTTGTACCAGGAGAAGGTGCGAC ATCACAGTGGGGAAATCCAGGACCTCCGAGGTAGCATGAACCAGCTCATTGCCAAGCTCC AGGAGATGGAAGCCATGTCCGATGAGCATAAATGGCCAGATAATAATGAAGATGATACA CGGAGATTACATCGAANAGCCAGACTTTGCCCTGAATCTATAGGGGCCAGCATTGACTT TGAGCACACGTGAGTACCTATAACCATGAGAAGGGCCCTCCTACTGGAAGTGGATCCA G
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_080675
<b>Insert Size:</b>	1272 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>	<a href="#">NM_080675.3</a> , <a href="#">NP_542406.2</a>
<b>RefSeq Size:</b>	1267 bp
<b>RefSeq ORF:</b>	1140 bp
<b>Locus ID:</b>	140732
<b>UniProt ID:</b>	<a href="#">Q8TC36</a>
<b>Cytogenetics:</b>	20q11.21

**Gene Summary:**

The protein encoded by this gene appears to play a role in the meiotic stage of spermatogenesis. The encoded protein localizes to the junction between the sperm head and body and may be involved in nuclear envelope reconstitution and nuclear migration. Mutations in this gene have been implicated in acephalic spermatozoa syndrome. [provided by RefSeq, May 2017]