

## Product datasheet for **MC211731**

### Sun5 (NM\_029599) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sun5 (NM_029599) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sun5
Synonyms:	1700021O15Rik; Spag4l; SPAG4L-2; SRG4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211731 representing NM_029599 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCGGACGAGGAACATCGGGCCTTGTGTACCTACCTGAAGACACAACCTCACAGTGGCAGGCCTA  
GGAGGGCGTCCAAGAAGCTATATCAGCAGAATGGCAGAGCCAGCCCCGCAAACATGACCTGGCTCAC  
CTACCTAGCCTGCTTCTGAGGACTCAGACCCAGCAAGTTTTCTTAACACCTGCAGATGCAAGTTGTT  
TGCCAGAAAGTCATGAAAAGATGGCCCTTCTGGTCTCTGTGTTTTGGCTTCTGGATGTTTTCCATGC  
ACTTACCATCAAAGTGGAAGTCTGGCAGGATGACAGCATAAATGGTCCATTGCAGAGCCTGAGGATGTA  
CCAGGAGAAGGTACGACATCACACTGGGAAATCCAGGACCTACGAGGTAGCATGAACCAGCTCATTGCC  
AACTCCAGAAGATGGAAGCCATATCTGATGAGCAAAAAATGGCCAGAAAATAATGAAGATGATTCAAG  
GTGATTACATTGAAAAGCCAGACTTTGCCCTGAAGTCCATAGGGCCAGCATCGACTTCGAGCACACGTC  
AGCCACGTATAACCACGACAAGGCTCGCTCCTACTGGAAGTGGATCCGACTGTGGAACACGCGCAGCCC  
CCGGATGTGATCCTTGAGCCAAACGTGACACCTGGGAAGTGTGGCCCTTTGCCAGTGACCGCGCCAGG  
TGACCATCCGTTTGGCCAGAAAGTCTACCTGTCCAACATTACACTGCAGCACATTCCTAAGACAATCTC  
GTTGTCCGGAAGCCTGGACACCCGACCAAAGGACTTTGTCATCTATGGCTTGAGAGCCTACCCAGGGAG  
GAAGTGTTCCTAGGGCATTCCAGTTTCAGCCAGAAAACATCATCAAACGTTTCAGCTCCAGAACCTGC  
CACCCAGGAGCTTTGCTGCAGTCAAGGTGAAGATCTCCAGCAACTGGGGGAACCCTCGCTTACCTGCAT  
GTACCGTGTGCGTGTGCACGGCTCTGTAACCCCTCCCAAAGACTCACACCTAGAGCCCTATCCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1569\\_a11.zip](https://cdn.origene.com/chromatograms/ja1569_a11.zip)



[View online »](#)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_029599
<b>Insert Size:</b>	1047 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_029599.1</a> , <a href="#">NP_083875.1</a>
<b>RefSeq Size:</b>	1155 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	76407
<b>UniProt ID:</b>	<a href="#">Q9DA32</a>
<b>Cytogenetics:</b>	2 H1
<b>Gene Summary:</b>	Plays an essential role in anchoring sperm head to the tail. Is responsible for the attachment of the coupling apparatus to the sperm nuclear envelope.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. It encodes isoform 2 which is shorter compared to isoform 1.