

Product datasheet for **RG206211**

SPAG4L (SUN5) (NM_080675) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SPAG4L
Synonyms:	dJ726C3.1; SPAG4L; SPGF16; TSARG4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206211 representing NM_080675 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCACGGTCCTCAAGGAGCCCTGGGGACCCAGGCGCCCTACTCGAAGATGTGGCCACAATCCCAGAC
CCCGGAGGATTGCCAGCGAGGCCGGAACACCAGCAGGATGGCAGAGGACACCTCCCCAAACATGAATGA
CAACATCCTGTTGCCTGTCCGCAACAATGACCAAGCCCTAGGCCTGACTCAGTGCATGCTGGGATGTGTG
TCCTGGTTCACCTGTTTGCCTGCTCCCTGAGAACTCAGGCCAGCAGGTTCTGTTTAACACGTGCAGAT
GCAAGCTGCTGTGCCAGAAGCTCATGGAGAAGACAGGCATTCTGCTCCTCTGTGCTTTCGGATTCTGGAT
GTTTTCTATTCACCTTACCATCGAAAATGAAAGTCTGGCAGGATGACAGCATAAATGGTCCACTGCAGAGC
TTGAGGTTGTACCAGGAGAAGGTGCGACATCACAGTGGGGAATCCAGGACCTCCGAGGTAGCATGAACC
AGCTCATTGCCAAGCTCCAGGAGATGGAAGCCATGTCCGATGAGCAAAAAATGGCCAGAAAATAATGAA
GATGATACACGGAGATTACATCGAAAAGCCAGACTTTGCCCTGAAGTCTATAGGGGCCAGCATTGACTTT
GAGCACACGTCACTCACCTATAACCATGAGAAGGCCCACTCCTACTGGAAGTGGATCCAGCTGTGGAAGT
ACGCACAGCCCCCAGACGTGATCCTTGAGCCCAACGTGACACCTGGCAATTGCTGGGCCTTTGAGGGTGA
CCGCGGCCAGGTGACCATCCAATTGGCTCAGAAGGTTTACCTGTCCAACCTCAGCTGCAGCACATCCCC
AAGACCATCTCATTGTGACGCAGCCTGGACACCGCCCCCAAGGACTTCGTCTATGTCATGAGGAGGCT
CCCCCAAGGAGGAGGTGTTCTGGGGGCATTTCAAGTTTCAAGCCAGAAAACATCATCCAGATGTTCCCACT
CCAGAACCAGCCGGCCCGGGCTTTCAAGTGCAGTCAAGGTGAAGATCTCAAGCAACTGGGGGAACCCAGGC
TTCACTTGCTGTACCGCGTGCAGTGCATGGCTCTGTGGCCCCGCCAGAGAGCAGCCTCACCAGAACC
CCTACCCTAAGAGAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



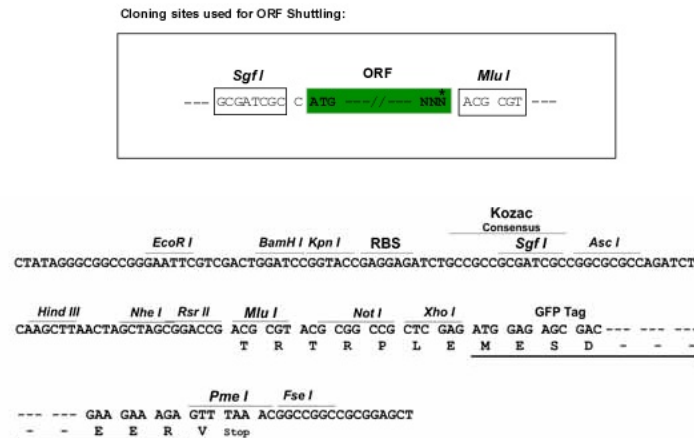
Protein Sequence: >RG206211 representing NM_080675
Red=Cloning site Green=Tags(s)

MPRSSRSPGDPGALLEDVAHNPRPRRIAQRGRNTSRMAEDTSPNMNDNILLPVRNNDQALGLTQCM LGCV
SWFTCFACSLRTQAQQVLFNTCRKLLCQKLMEKTGILLLLCAFGWMFSIHLPSKMKVWQDD SINGPLQS
LRLYQEKVRHHSGEIQDLRGS MNQLIAKLQEMEAMSDEQKMAQKIMKMIHGDI EKPDFALKSIGASIDF
EHTSVTYNHEKAHSYWNWIQLWNYAQPPDVILEPNVTPGNCWAFEGDRGQVTIQLAQKVYLSNLTLQH IP
KTISLSGSLDTAPKDFVIYGMESPKKEEVFLGAFQFQPENIIQMFLQNQPARAFSAVKVKISSNWGNPG
FTCLYRVRVHGSVAPPREQPHQNPYPKRD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080675

ORF Size: 1137 bp

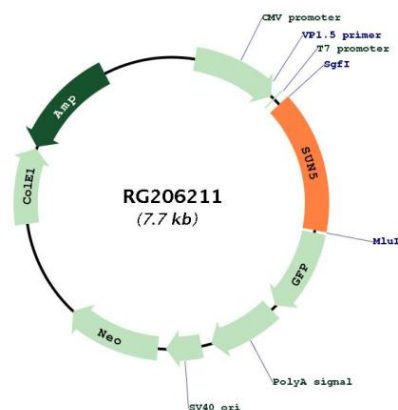
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_080675.4
RefSeq Size:	1267 bp
RefSeq ORF:	1140 bp
Locus ID:	140732
UniProt ID:	Q8TC36
Cytogenetics:	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]

Product images:



Circular map for RG206211