

Product datasheet for **MR218299**

Spag6l (NM_015773) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spag6l (NM_015773) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spag6l
Synonyms:	PF16; Spag6; Spag6l1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218299 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCCAGCGGCAGGTGCTGCAAGTGTTCGAGCAGTACCAGAAAGCCCGACGCAATTCGTGCAGATGG
 TGGCAGAGCTGGCGACAAGACCCAAAACATCGAAACGCTGCAGAATGCAGGTGTAAATGCTTTGCTAAG
 GCCGCTTCTTCTGGATGTGGTCCCAACAATTCAACAGACTGCAGCTTTGGCTCTGGGAGACTGGCCAAT
 TACAATGATGACTTAGCAGAAGCAGTCGTGAAAGGTGACATTCTCCACAGCTTGTTTATTCATTGGCAG
 AACAAAATCGTTTTTACAAGAAGGCAGCTGCCTTTGTGTTGAGAGCAGTTGGGAAACTCTCCTCAGCT
 GGCCAGGCCATAGTTGACTGCGGAGCTCTGGATACACTGGTGTCTGCTGGAGGATTTTGACCCTGGG
 GTCAAGGAGGCTGCAGCCTGGGCACTCGGATACATTGCAAGACACAACACAGAATTATCTCAAGCCGTGG
 TGGATGCAGGAGCAATTCCTCTTTAGTCCTTTGTATCCAGGAGCCAGAAATGCTTTGAAAAGGATCGC
 TGCTCGGCCCTCAGTGATATCTCAAAGCACTCCCAGAGTTAGCACAGACGGTGGTGGACGCAGGAGCT
 ATTGCTCACTTAGCCAGATGATCCTCAACCCTGATGAAAACCTGAAGCGCCAGGTCTCTCAGCTCTCA
 GTCAGATTGCAAAGCATTCTGTGGACTTGGCAGAGATGGTTGTTGAAGCAGAGATTTTCCCTGTTGTA
 AACCTGCCTGAAGGACAAAGATGAATATGTGAAGAAAAATGCTTGCACCTTAATCAGAGAGATTGCAAAA
 CACACGCCTGAGCTCTCGCAGCTGATTGTTAATGCAGGAGGCGTGGCTGCCGTGATCGATTGCATTGGGT
 CCTGCAAAGGGAACATACGGCTGCCTGGCATCATGATGCTGGGTTACGTGGCTGCTATTCTGAGAACCT
 GGCCATGGCGGTGATCATCTCAAGGGTGTACCCAGTTGTCAATCTGCCTGTGAGAAGAACCAGAAGAT
 CATATTAAGGCTGCTGCTGCCTGGGCTTGGGGCAGCTGGGAAGACACACTCCAGAGCAGCTGAGGACCTACA
 TGCTGTACAAAACAGCTGCCAGTCTGCTGTCTTTGTACATGTCACCAGAGAGCTGAGGACCTAGCA
 GCTCAAAAAGTAAAAAAGCCATAAAGAATATCCTTCAGAAATGCACCTACCTCCCAGCCCTTGAGCCGTT
 CTGTACGACGCACCTCCCAATATCCTGAAACATGTTGTTGGCAGTTCAGTAAGGTGCTGCCACATGACA
 GCAAAGCCCGCGGCTTTTCGTGACTAGTGGTGGACTTAAAAAGTTTCCAGGAGATAAAGGCAGAACCAGG
 CTCTCTCTGCAGGAATACATCAACAGCATCAACAATTGTTACCCAGAGGAAATAGTAAGGTATTATTCA
 CCTGGATACTCCGATACACTTCTGCAGAGGTTGGACAGCTACCAACCCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218299 protein sequence
 Red=Cloning site Green=Tags(s)

MSQRQVLQVFEQYQKARTQFVQMVAELATRPQNIETLQNAGVMSLLRPLLLDVVPTIQQTAALALGRLAN
 YNDLLAEAVVKGDILPQLVYSLAEQNRFYKKAFAVLRVAVGKHSPQLAQAIIVDCGALDTLVICLEDVDPG
 VKEAAAWALGYIARHNTLSQAVVDAGAIPLLVLCIQEPEIALKRIAASALSDISKHPELAQTVDAGA
 IAHLAQMILNPDAKLKRQVLSALSQIAKHSVDLAEMVVEAEIFPVVLTCLKDKDEYVKNACTLIREIAK
 HTEPELSQLIVNAGGVAVIDCIGSCKGNIRLPGIMMLGYVAHSENLAMAVIISKVGPQLSICLSEEPED
 HIKAAAALWALQLGRHTPEHARAVAVTNTLPVLLSLYMSPESEDLQLKSKKAIKNILQKCTYLPALPEP
 LYDAPPNILKHVVGQFSKVLPHDSKARRLFVTSGLLKKVQEIKAEPGSLQLQEYINSINNCYPEEIVRYYS
 PGYSDTLLQRVDSYQPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_015773

ORF Size: 1524 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.

RefSeq: [NM_015773.2](#), [NP_056588.1](#)

RefSeq Size: 2483 bp

RefSeq ORF: 1524 bp

Locus ID: 50525

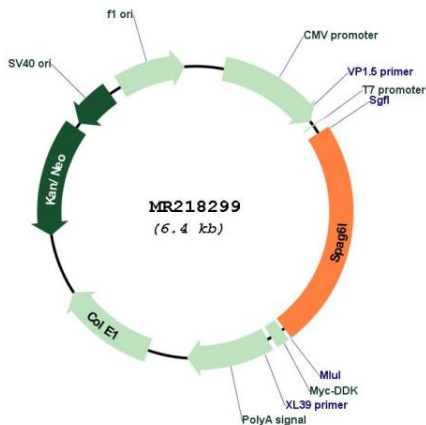
UniProt ID: [Q9JLI7](#)

Cytogenetics: 16 A3

MW: 55.3 kDa

Gene Summary: Important for structural integrity of the central apparatus in the sperm tail and for flagellar motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218299